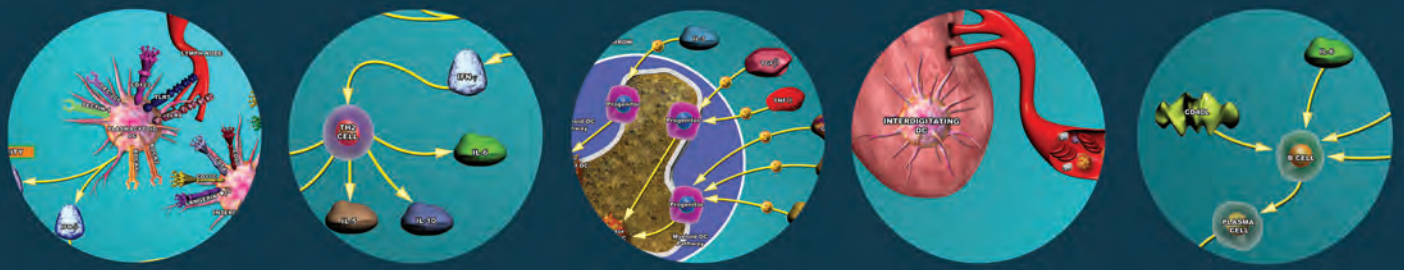
# Dendritic Cell
## RESEARCH TOOLS




DENDRITICS

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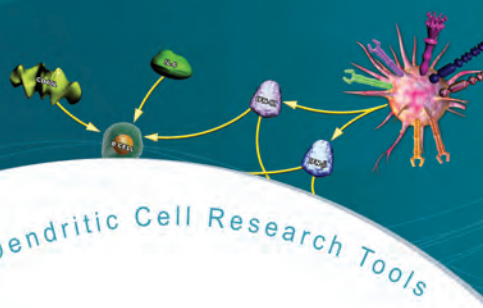
# Dendritic Cell



Dendritic Cell Research Tools

## Introduction

The first dendritic cells (DCs) discovered, in 1868, were the Langerhans cells of human epidermis. However, it took until the 1970's to demonstrate that these cells belonged to the immune system. In 1973, the pioneering work of Steinman and Cohn permitted the identification of DCs in lymphoid tissue and their functional relationship with Langerhans cells. Realization of the extraordinary capacity of DCs for antigen-presentation set the stage for an exponentially rising interest in their biology. Major advances in the early 1990s subsequently led to the ability to generate DCs *in vitro* from myeloid hematopoietic progenitors or from monocytes, and greatly facilitated their study. The initial unified model of DC life history held that immature DCs patrol peripheral tissues and upon encounter with microbial products or other danger signals undergo maturation as they migrate to lymphoid tissue where they present antigen and activate naive T cells.

**DCs are remarkably equipped with Pattern Recognition Receptors (PRRs), the innate sensors that recognize conserved molecular patterns on microbes and self- tissue. Major PRRs include the C-type Lectin Receptors and the Toll-Like Receptors.**

While most elements of this model still hold true, in particular the unique capacity of DCs to initiate adaptive immunity, many different and contrasting facets of DCs have since been discovered. One aspect that has become clearly appreciated is the great diversity of DC subtypes with considerable functional differences. Part of this heterogeneity is intrinsic (eg "conventional" versus plasmacytoid DCs), but a high degree of plasticity is also characteristic of the DC system. For instance, DCs can be instructed by the nature of the early signals they receive, with greatly divergent consequences on the immune response. Thus, in addition to their classic function to drive strong Th1-type adaptive responses, DCs can be polarized by microbial products towards a Th2- type response, or towards peripheral immune tolerance via the induction of regulatory T cells.

Today, DCs are positioned as the master regulators of immunity. Pharmacological intervention to exploit the full range of DC regulatory potential will undoubtedly lead to a variety of therapeutic applications to either boost, suppress or repolarize the immune system. Another recently recognized important function of DCs is to link the innate and adaptive immune response. This is illustrated by antiviral responses of plasmacytoid DCs, and by crosstalk between DCs and Natural Killer cells. A major breakthrough in DC biology has been the recent unraveling of the mechanisms responsible for their regulatory functions, an advance made possible by the molecular cloning of genes expressed by DCs. Thus, it was realized that DCs are remarkably equipped with Pattern Recognition Receptors (PRRs), the innate sensors that recognize conserved molecular patterns on microbes and self- tissue. Major PRRs include the C-type Lectin Receptors and the Toll-Like Receptors. The key role played by Chemokines and their receptors in the migration patterns of DCs is now well established. Finally, an array of Cytokines and corresponding receptors are known to be responsible for the crosstalk between DCs and a host of other cell types that will determine the net outcome of the immune response. Collectively, this rapidly-evolving knowledge allows for drug-discovery programs to design pharmacological compounds to agonize or antagonize DC molecules in a number of clinical settings.

IMGENEX is pleased to announce that it has signed an exclusive distribution agreement with DENDRITICS SAS (Dardilly, France) to make their portfolio of highly characterized and validated monoclonal Dendritic cell research antibodies available to researchers in North America and India. Founded in 2005, the goal of DENDRITICS SAS was to make their technology and expertise available to the commercial market where other researchers could benefit from these innovative reagents. DENDRITICS' reagents have been validated and reported in many peer reviewed publications and can be used in flow cytometric analysis, IHC, cell depletion and blocking assays. All antibodies are purified and most are available in a multiple formats.

DENDRITICS SAS research reagents are categorized into six major research focus areas: Dendritic Cell (DC) subtypes, C-type Lectin Receptors (CLRs), Toll-like Receptors (TLRs), DC Migration, Cytokines and Cytokine Receptors, Antigen processing & Presentation/Allergy and include IL7R, pDC/IPC clone 120G8, DCIR, DC-LAMP clone 1010E1, DC-LAMP clone 104G4 and Mouse Langerin

## About **DENDRITICS**

DENDRITICS was formed in 2005 by former members of SCHERING PLOUGH Laboratory for Immunological Research (LIR) in Dardilly, France. The initial drive for DENDRITICS was inspired by it's desire to supply the scientific community with the large collection of monoclonal antibodies developed at LIR. Most of the antibodies available directly result from participation in gene discovery programs and functional studies. Consequently, we strongly believe that DENDRITICS has a competitive advantage that ensures a high quality product and offers an expert understanding of the underlying science.

From their long experience at LIR, the team members of DENDRITICS have gathered complementary scientific and technological knowledge from different areas of immunology. The initial focus of LIR was the biology of B lymphocytes, elaboration of human monoclonal antibodies, and in cytokine discovery (IL- 3, IL- 4, IL- 7, IL- 10, IL- 17, GMCSF) together with their colleagues at DNAX Research Institute in Palo Alto, California. Interest in cytokines led to the finding that human dendritic cells (DCs) could be generated *in vitro* from CD34+ hematopoietic progenitors cultured in the presence of GMCSF and TNF$\alpha$. The period from 1992 to 2005 saw the specialization of LIR in DC biology and was fueled by a large-scale effort to discover and study the function of genes specifically expressed by these cells.

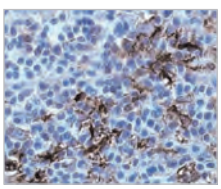
This program led to a number of findings that contributed in particular to understanding the heterogeneity of DCs, the pathways regulating DC migration, the function of C-type lectin receptors in DCs, and the activity of Toll-like receptors in DCs. Many novel genes were discovered through screening of cDNA libraries or through monoclonal antibodies raised against DCs. This collective effort and the motivation of DENDRITICS team members to stay at the forefront of science makes it possible to supply an extensive range of monoclonal antibodies for dendritic cell research. DENDRITICS is commited to the vision of providing innovative reagents to meet the upcoming needs of immunologists and will leverage its long-standing collaborations with the clinical community to drive the development of these new tools.

**Visit our DENDRITICS' product page to obtain technical data on these exciting products. For technical questions, bulk reagent inquiries, or to request your own DENDRITICS Resource manual, contact us on the web using our Technical Support webpage email at info@imgenex.com, or call toll free at 1-800-848-9513.**

# **Dendritic Cell** Antibodies

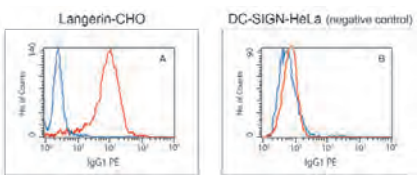
| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| Basophil | DDX0030 | Purified | 212H6.16 | Mouse | H | Flow-CS, IF/ICC |
| | DDX0030A488 | A488 | 212H6.16 | Mouse | H | Flow-CS, IF/ICC |
| | DDX0030A546 | A546 | 212H6.16 | Mouse | H | IF/ICC |
| | DDX0030A647 | A647 | 212H6.16 | Mouse | H | Flow-CS, IF/ICC |
| CD127/IL-7R | DDX0700 | Purified | R34-34 | Mouse | H | FA-Neut, Flow-CS, IP |
| | DDX0700A488 | A488 | R34-34 | Mouse | H | Flow-CS |
| | DDX0700A546 | A546 | R34-34 | Mouse | H | IHC-P |
| | DDX0700A647 | A647 | R34-34 | Mouse | H | Flow-CS, IHC-P |
| CD1a | DDX0080 | Purified | 214A9.01 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0080A488 | A488 | 214A9.01 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0080A546 | A546 | 214A9.01 | Mouse | H | IHC-Fr |
| | DDX0080A647 | A647 | 214A9.01 | Mouse | H | IHC-Fr |
| | DDX0080B | Biotin | 214A9.01 | Mouse | H | Flow-CS, IHC-Fr |
| CD1a | DDX0081 | Purified | 201B5.08 | Mouse | H | Flow-CS, IHC-Fr, WB |
| | DDX0081A488 | A488 | 201B5.08 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0081A546 | A546 | 201B5.08 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0081A647 | A647 | 201B5.08 | Mouse | H | Flow-CS, IHC-Fr |
| CD40 | DDX0130 | Purified | G28-5 | Mouse | H | FA-A, Flow-CS |
| CD40 | DDX0131 | Purified | mAb89 | Mouse | H | FA-A, Flow-CS, IHC-P |
| | DDX0131A488 | A488 | mAb89 | Mouse | H | Flow-CS |
| CD80/B7-1 | DDX0160 | Purified | mAb104 | Mouse | H | Flow-CS |
| CD205 (DEC-205) | DDX0020 | Purified | NLDC-145 | Rat | M | Flow-CS, IHC-P |
| | DDX0020A488 | A488 | NLDC-145 | Rat | M | Flow-CS, IHC-P |
| | DDX0020B | Biotin | NLDC-145 | Rat | M | Flow-CS, IHC-P |
| CD207/Langerin | DDX0360 | Purified | 808E10.01 | Mouse | H, M, R | FA-Neut, Flow-CS, IHC-Fr |
| | DDX0360A488 | A488 | 808E10.01 | Mouse | H, M, R | Flow-CS, IHC-Fr |
| | DDX0360A546 | A546 | 808E10.01 | Mouse | H, M, R | IHC-Fr |
| | DDX0360B | Biotin | 808E10.01 | Mouse | H, M, R | Flow-CS, IHC-Fr |
| CD207/Langerin | DDX0361 | Purified | 310F7.02/HD26 | Mouse | H, M, R | Flow-Intra, IHC-P, WB |
| | DDX0361A488 | A488 | 310F7.02/HD26 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0361A546 | A546 | 310F7.02/HD26 | Mouse | H, M, R | IHC-P |
| | DDX0361A647 | A647 | 310F7.02/HD26 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0361APC | APC | 310F7.02/HD26 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0361B | Biotin | 310F7.02/HD26 | Mouse | H, M, R | IHC-P, WB |
| | DDX0361PE | PE | 310F7.02/HD26 | Mouse | H, M, R | Flow-Intra, IHC-P |
| CD207/Langerin | DDX0362 | Purified | 929F3.01 | Rat | H, M, R | Flow-Intra, IF/ICC, IHC-Fr |
| | DDX0362A488 | A488 | 929F3.01 | Rat | H, M, R | Flow-Intra, IF/ICC, IHC-Fr |
| | DDX0362A546 | A546 | 929F3.01 | Rat | H, M, R | IF/ICC, IHC-Fr, IHC-P |
| | DDX0362A647 | A647 | 929F3.01 | Rat | H, M, R | Flow-Intra, IF/ICC, IHC-Fr |
| | DDX0362B | Biotin | 929F3.01 | Rat | H, M, R | IF/ICC, IHC-Fr, IHC-P |

### CD40 (DDX0131)



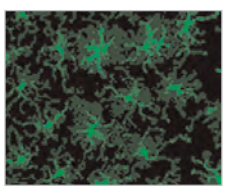
IHC analysis of CD40 on Bouin paraffin lymphnode section using DDX0131.

### CD207/Langerin (DDX0361)




Intracellular flow analysis of Langerin in stably transfected CHO cells (A) or DC-SIGN in stably transfected HeLa cells (negative control) (B) using DDX0361PE at 1ug/ml.

### CD207/Langerin (DDX0362)



Immunofluorescence on mouse epidermal LC CD11c+ using 929F3.01.

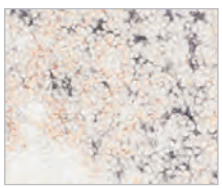
**FORMAT KEY**
A488 - Alexa Fluor® 488
A546 - Alexa Fluor® 546
A647 - Alexa Fluor® 647

**APPLICATION KEY**
CM - Confocal Microscopy
FA-A - Functional Assay (Activation)
FA-Neut - Functional Assay (Neutralization)
Flow-CS - Flow (Cell Surface)
Flow-Intra - Flow (Intracellular)
Flow-CS+Intra - Flow (Cell Surface) and Flow (Intracellular)
IHC-Fr - Immunohistochemistry (Frozen)
IHC-P - Immunohistochemistry (Paraffin)
IF/ICC - Immunofluorescence/Immunocytochemistry
IP - Immunoprecipitation
WB - Western Blot

## **Dendritic Cell** Antibodies

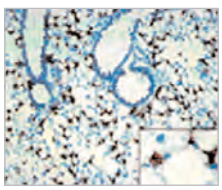
| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| CD207/Langerin | DDX0363 | Purified | DCGM4/122D5.03 | Mouse | H | Flow-CS, IHC-P, WB |
| | DDX0363A488 | A488 | DCGM4/122D5.03 | Mouse | H | Flow-CS, IHC-P |
| | DDX0363A546 | A546 | DCGM4/122D5.03 | Mouse | H | IHC-P |
| | DDX0363A647 | A647 | DCGM4/122D5.03 | Mouse | H | Flow-CS, IHC-P |
| | DDX0363B | Biotin | DCGM4/122D5.03 | Mouse | H | Flow-CS, IHC-P, WB |
| CD207/Langerin | DDX0368 | Purified | 306G9 | Mouse | H, M | Flow-Intra, IF/ICC, IHC-P |
| | DDX0368A488 | A488 | 306G9 | Mouse | H, M | Flow-Intra, IHC-P |
| | DDX0368A546 | A546 | 306G9 | Mouse | H, M | IF/ICC, IHC-P |
| CD207/Langerin | DDX0370 | Purified | 205C1 | Mouse | M | Flow-Intra, WB |
| | DDX0370A488 | A488 | 205C1 | Mouse | M | Flow-Intra |
| | DDX0370A546 | A546 | 205C1 | Mouse | M | IHC-P |
| | DDX0370A647 | A647 | 205C1 | Mouse | M | Flow-Intra, IHC-P |
| | DDX0370B | Biotin | 205C1 | Mouse | M | Flow-Intra, WB |
| CD207/Langerin | DDX0373 | Purified | 923B7 | Rat | H, M, R | Flow-CS, IHC-Fr |
| | DDX0373A488 | A488 | 923B7 | Rat | H, M, R | Flow-CS, IHC-Fr |
| | DDX0373A546 | A546 | 923B7 | Rat | H, M, R | IHC-Fr |
| CD208/DC-LAMP | DDX0190 | Purified | 104G4 | Mouse | H | Flow-Intra, IHC-Fr, IHC-P, WB |
| | DDX0190A488 | A488 | 104G4 | Mouse | H | Flow-Intra, IHC-Fr, IHC-P |
| | DDX0190A546 | A546 | 104G4 | Mouse | H | IHC-Fr, IHC-P |
| | DDX0190B | Biotin | 104G4 | Mouse | H | Flow-Intra, IHC-Fr, IHC-P, WB |
| CD208/DC-LAMP | DDX0191 | Purified | 1010E1.01 | Rat | Multi-species | IHC-Fr, IHC-P |
| | DDX0191A488 | A488 | 1010E1.01 | Rat | Multi-species | IHC-Fr, IHC-P |
| | DDX0191A546 | A546 | 1010E1.01 | Rat | Multi-species | IHC-Fr, IHC-P |
| | DDX0191B | Biotin | 1010E1.01 | Rat | Multi-species | IHC-Fr, IHC-P, WB |
| CD208/DC-LAMP | DDX0192 | Purified | 1006F7.01 | Rat | M | IHC-Fr |
| | DDX0192A488 | A488 | 1006F7.01 | Rat | M | Flow-CS |
| | DDX0192A647 | A647 | 1006F7.01 | Rat | M | Flow-CS |
| CD208/DC-LAMP | DDX0193 | Purified | 109G3 | Mouse | H | Flow-Intra, IHC-Fr |
| | DDX0193A488 | A488 | 109G3 | Mouse | H | Flow-Intra, IHC-Fr |
| | DDX0193A546 | A546 | 109G3 | Mouse | H | IHC-Fr |
| | DDX0193A647 | A647 | 109G3 | Mouse | H | IHC-Fr |
| | DDX0193B | Biotin | 109G3 | Mouse | H | Flow-Intra, IHC-Fr |
| CD21 isoform (CD21L) | DDX0120 | Purified | 7D6 | Mouse | H | FA-A, IHC-Fr |
| CD301/ASGPR | DDX0010 | Purified | 125A10.03 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0010A488 | A488 | 125A10.03 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0010A546 | A546 | 125A10.03 | Mouse | H | IHC-Fr |
| | DDX0010A647 | A647 | 125A10.03 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0010B | Biotin | 125A10.03 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |

### CD208/DC-LAMP (DDX0190)

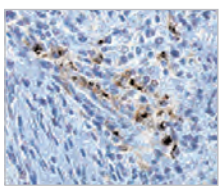


Cryosection of human tonsil probed with purified 104G4+goat anti mouse -AP.

### CD208/DC-LAMP (DDX0191)

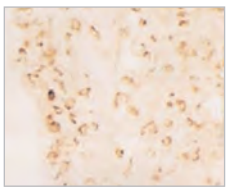


Mouse lung cryosection probed with 1010E1.01+AEC substrate.



Paraffin-embedded human lymph node tumor section probed with 1010E1.01.

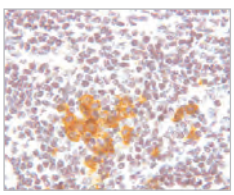
### CD208/DC-LAMP (DDX0193)



Cryosection of murine type II pneumocytes.

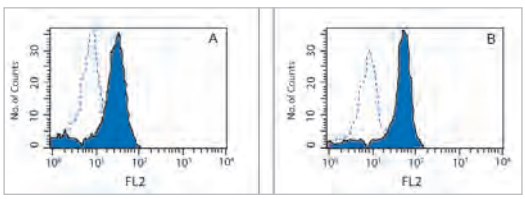
| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| CD303/BDCA-2 | DDX0040 | Purified | 108H10.03 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| | DDX0040A488 | A488 | 108H10.03 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| | DDX0040A546 | A546 | 108H10.03 | Mouse | H | IHC-Fr, IHC-P |
| | DDX0040A647 | A647 | 108H10.03 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| | DDX0040B | Biotin | 108H10.03 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| CD303/BDCA-2 | DDX0041 | Purified | 104C12.08 | Mouse | H | Flow-CS, IHC-P |
| | DDX0041A488 | A488 | 104C12.08 | Mouse | H | Flow-CS, IHC-P |
| | DDX0041A546 | A546 | 104C12.08 | Mouse | H | IHC-P |
| | DDX0041A647 | A647 | 104C12.08 | Mouse | H | Flow-CS, IHC-P |
| | DDX0041B | Biotin | 104C12.08 | Mouse | H | Flow-CS, IHC-P |
| CD303/BDCA-2 | DDX0042 | Purified | 110H7.05 | Mouse | H | FA-Neut, Flow-CS, IHC-P |
| | DDX0042A488 | A488 | 110H7.05 | Mouse | H | Flow-CS |
| | DDX0042A546 | A546 | 110H7.05 | Mouse | H | IF/ICC |
| | DDX0042A647 | A647 | 110H7.05 | Mouse | H | Flow-CS |
| | DDX0042B | Biotin | 110H7.05 | Mouse | H | FA-Neut, Flow-CS, IHC-P |
| CD303/BDCA-2 | DDX0043 | Purified | 124B3.13 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0043A488 | A488 | 124B3.13 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0043A546 | A546 | 124B3.13 | Mouse | H, M, R | IHC-P |
| | DDX0043A647 | A647 | 124B3.13 | Mouse | H, M, R | Flow-Intra, IHC-P |
| | DDX0043B | Biotin | 124B3.13 | Mouse | H, M, R | Flow-Intra, IHC-P |
| DCIR | DDX0180 | Purified | 111F8.04 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0180A488 | A488 | 111F8.04 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0180A546 | A546 | 111F8.04 | Mouse | H | IHC-Fr |
| | DDX0180B | Biotin | 111F8.04 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0180FITC | FITC | 111F8.04 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0180PE | PE | 111F8.04 | Mouse | H | Flow-CS, IHC-Fr |
| DC-SIGN | DDX0202 | Purified | 102E11.06 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0202A488 | A488 | 102E11.06 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0202A546 | A546 | 102E11.06 | Mouse | H | IHC-Fr |
| | DDX0202B | Biotin | 102E11.06 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| DC-SIGN | DDX0203 | Purified | 103G2.07 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0203A488 | A488 | 103G2.07 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0203A546 | A546 | 103G2.07 | Mouse | H | IHC-Fr |
| | DDX0203A647 | A647 | 103G2.07 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0203B | Biotin | 103G2.07 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| DC-SIGN | DDX0204 | Purified | 108C7.01 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0204A488 | A488 | 108C7.01 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0204A546 | A546 | 108C7.01 | Mouse | H | IHC-Fr |
| | DDX0204A647 | A647 | 108C7.01 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0204B | Biotin | 108C7.01 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |

## CD303/BDCA-2 (DDX0043)



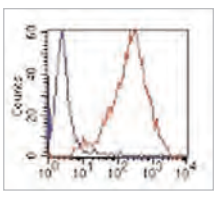
Paraffin-embedded tonsil human pDCs probed with DDX0043.

## DCIR (DDX0180)




Cell surface flow analysis of DCIR (shaded histogram) in human PBMCs using the monocyte population gated using forward and side scatter with DDX0180PE at 1ug/ml (A) and 3 ug/ml (B). Open histogram is isotype control.

## DC-SIGN (DDX0202)



DC-SIGN expression on DC-SIGN HeLa-transfected cells.

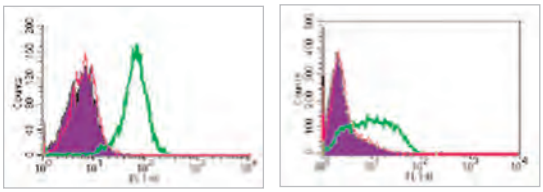
**FORMAT KEY**
A488 - Alexa Fluor® 488
A546 - Alexa Fluor® 546
A647 - Alexa Fluor® 647

**APPLICATION KEY**
CM - Confocal Microscopy
FA-A - Functional Assay (Activation)
FA-Neut - Functional Assay (Neutralization)
Flow-CS - Flow (Cell Surface)
Flow-Intra - Flow (Intracellular)
Flow-CS+Intra - Flow (Cell Surface) and Flow (Intracellular)
IHC-Fr - Immunohistochemistry (Frozen)
IHC-P - Immunohistochemistry (Paraffin)
IF/ICC - Immunofluorescence/Immunocytochemistry
IP - Immunoprecipitation
WB - Western Blot

## **Dendritic Cell** Antibodies

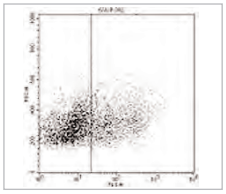
| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| DC-SIGN | DDX0205 | Purified | 102F10.04 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0205A488 | A488 | 102F10.04 | Mouse | H | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0205A546 | A546 | 102F10.04 | Mouse | H | IHC-Fr |
| DC-SIGN-like | DDX0200 | Purified | 118A8.05 | Mouse | H | Flow-CS, IF/ICC, IHC |
| | DDX0200A488 | A488 | 118A8.05 | Mouse | H | Flow-CS, IF/ICC, IHC |
| | DDX0200A546 | A546 | 118A8.05 | Mouse | H | IF/ICC, IHC |
| | DDX0200A647 | A647 | 118A8.05 | Mouse | H | Flow-CS, IF/ICC, IHC |
| | DDX0200B | Biotin | 118A8.05 | Mouse | H | Flow-CS |
| DORA/IgSF6 | DDX0220 | Purified | 104A10.01 | Mouse | H, M | Flow-CS |
| | DDX0220A488 | A488 | 104A10.01 | Mouse | H, M | Flow-CS |
| | DDX0220A546 | A546 | 104A10.01 | Mouse | H, M | Flow-CS, IF/ICC |
| | DDX0220A647 | A647 | 104A10.01 | Mouse | H, M | Flow-CS |
| | DDX0220B | Biotin | 104A10.01 | Mouse | H, M | Flow-CS |
| FDF03 | DDX0230 | Purified | 36H2 | Rat | H | Flow-CS, IP, WB |
| | DDX0230A488 | A488 | 36H2 | Rat | H | Flow-CS |
| | DDX0230A546 | A546 | 36H2 | Rat | H | IHC-P |
| | DDX0230A647 | A647 | 36H2 | Rat | H | Flow-CS |
| | DDX0230B | Biotin | 36H2 | Rat | H | Flow-CS, IP, WB |
| γIFN-R/CD119 | DDX0001 | Purified | A6C5 | Mouse | H | FA-A, IF/ICC, IHC-P |
| HME-MMP12 | DDX0280 | Purified | 603E6.22 | Mouse | H | IHC-Fr |
| | DDX0280B | Biotin | 603E6.22 | Mouse | H | IHC-Fr |
| HME-MMP12 | DDX0281 | Purified | 706F9.01 | Mouse | H | Peptide ELISA* |
| | DDX0281B | Biotin | 706F9.01 | Mouse | H | Peptide ELISA* |
| | DDX0281HRPO | HRP | 706F9.01 | Mouse | H | Peptide ELISA* |
| HME-MMP12 | DDX0282 | Purified | 705D10.11 | Mouse | H | ELISA, WB |
| HME-MMP12 | DDX0284 | Purified | 701E4.03 | Mouse | H | Peptide ELISA* |
| Human Influenza M1/ HLA-A2 Complex | DDX0270 | Purified | 405H1.01 | Mouse | H | ELISA, Flow-Intra |
| | DDX0270A488 | A488 | 405H1.01 | Mouse | H | FA-A, Flow-Intra |
| | DDX0270A647 | A647 | 405H1.01 | Mouse | H | Flow-Intra |
| | DDX0270B | Biotin | 405H1.01 | Mouse | H | ELISA |
| IL3-Rα/CD123 | DDX0300 | Purified | 107D2.08 | Mouse | H | Flow-CS, IHC-Fr, IHC-P, IP |
| | DDX0300A488 | A488 | 107D2.08 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| | DDX0300A546 | A546 | 107D2.08 | Mouse | H | IHC-Fr, IHC-P |
| | DDX0300A647 | A647 | 107D2.08 | Mouse | H | Flow-CS, IHC-Fr, IHC-P |
| IRAK-4 | DDX0341 | Purified | 7D8 | Mouse | H | IF/ICC, WB |
| | DDX0341A488 | A488 | 7D8 | Mouse | H | IF/ICC |
| | DDX0341A546 | A546 | 7D8 | Mouse | H | IF/ICC |

### DC-SIGN-like (DDX0200)



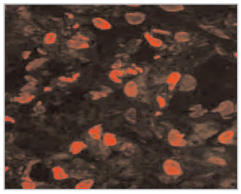
DC-SIGN like expression on monocyte-derived DCs subsets. Blood monocytes were cultured 5 days in GMCSF+IL4. Subset CD14+ and CD1a+ were analyzed for DC-SIGN-like expression.

### DORA/IgSF6 (DDX0220)



Flow Cytometry staining: Purified 104A10.01+goat anti mouse FITC probing COP5 fibroblasts transiently transfected with human DORA cDNA.

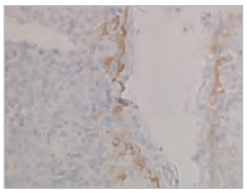
### IRAK-4 (DDX0341)



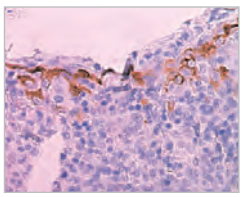
Frozen section of human tonsil stained with clone 7D8-A546.

| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| MIP-3a/CD196 | DDX0420 | Purified | 206D9.05 | Mouse | H | ELISA, FA-Neut, IHC-Fr, IHC-P, WB |
| | DDX0420HRPO | HRP | 206D9.05 | Mouse | H | ELISA |
| MIP-3a/CD196 | DDX0430 | Purified | 319F6.06 | Mouse | H | ELISA, FA-Neut, IHC-P |
| MIP-3a/CD196 | DDX0431 | Purified | 308B7.06 | Mouse | H | IHC-P |
| | DDX0431HRPO | HRP | 308B7.06 | Mouse | H | IHC-P |
| Neuropilin-1/BDCA-4/CD304 | DDX0440 | Purified | 211H6.01 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0440A488 | A488 | 211H6.01 | Mouse | H | Flow-CS, IHC-Fr |
| | DDX0440A647 | A647 | 211H6.01 | Mouse | H | Flow-CS, IHC-Fr |
| pDC/IPC | DDX0390 | Purified | 120G8.04 | Rat | M | Flow-CS, Flow-Intra, IHC-Fr, *in vivo* depletion |
| | DDX0390A488 | A488 | 120G8.04 | Rat | M | Flow-CS, IHC-Fr, in vivo depletion |
| | DDX0390A546 | A546 | 120G8.04 | Rat | M | IHC-Fr |
| | DDX0390A647 | A647 | 120G8.04 | Rat | M | Flow-CS, IHC-Fr, in vivo depletion |
| | DDX0390APC | APC | 120G8.04 | Rat | M | Flow-CS, Flow-Intra, IHC-Fr |
| pDC/IPC | DDX0390B | Biotin | 120G8.04 | Rat | M | Flow-CS, in vivo depletion |
| | DDX0390FITC | FITC | 120G8.04 | Rat | M | Flow-CS, Flow-Intra, IHC-Fr |
| | DDX0390PE | PE | 120G8.04 | Rat | M | Flow-CS, Flow-Intra, IHC-Fr |
| Sema-6A | DDX0462 | Purified | 104B3 | Mouse | H | IHC-Fr |
| Sema-6A | DDX0463 | Purified | 1.18E+09 | Mouse | H | Flow-CS, IHC |
| | DDX0463A488 | A488 | 1.18E+09 | Mouse | H | Flow-CS, IHC |
| | DDX0463A647 | A647 | 1.18E+09 | Mouse | H | Flow-CS, IHC |
| TLR3/CD283 | DDX0470 | Purified | 619F7.06 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, IHC-P |
| | DDX0470A488 | A488 | 619F7.06 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, IHC-P |
| | DDX0470A546 | A546 | 619F7.06 | Mouse | H | IF/ICC, IHC-P |
| | DDX0470A647 | A647 | 619F7.06 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, IHC-P |
| | DDX0470B | Biotin | 619F7.06 | Mouse | H | Flow-Intra, IHC-Fr, WB |
| TLR3/CD283 | DDX0474 | Purified | 713E4.06 | Mouse | Multi-species | Flow-Intra, IHC-P |
| | DDX0474A488 | A488 | 713E4.06 | Mouse | Multi-species | Flow-Intra, IHC-P |
| | DDX0474A546 | A546 | 713E4.06 | Mouse | Multi-species | Flow-Intra, IHC-P |
| | DDX0474A647 | A647 | 713E4.06 | Mouse | Multi-species | Flow-Intra, IHC-P |
| | DDX0474B | Biotin | 713E4.06 | Mouse | Multi-species | Flow-Intra, IHC-P |
| TLR3/CD283 | DDX0475 | Purified | 716G10.15 | Mouse | H, M, R | Flow-Intra, IHC-Fr |
| | DDX0475A488 | A488 | 716G10.15 | Mouse | H, M, R | Flow-Intra, IHC-Fr |
| | DDX0475A546 | A546 | 716G10.15 | Mouse | H, M, R | IHC-Fr |
| | DDX0475A647 | A647 | 716G10.15 | Mouse | H, M, R | Flow-Intra, IHC-Fr |
| | DDX0475B | Biotin | 716G10.15 | Mouse | H, M, R | Flow-Intra, IHC-Fr |

### MIP-3a/CD196 (DDX0431)

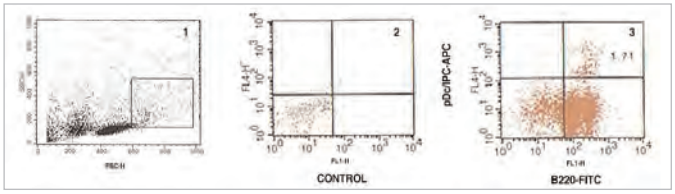


IHC staining of MIP-3α in human tonsil sections (paraffin Bouin) using DDX0431 conjugated to HRP.



IHC analysis of MIP-3α in human tonsil tissue (paraffin; Bouin) using DDX0431.

### pDC/IPC (DDX0390)




CD19 & CD3epsilon depleted mouse spleen cells were gated for pDC cells (Fig. 1) and double stained using B220-FITC, and anti-pDC-APC (DDX0390APC) at 1ug/ml (Fig. 3). Appropriate isotype control shown in Fig. 2

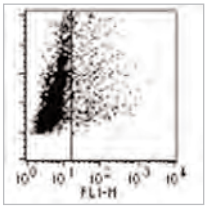
**FORMAT KEY**
A488 - Alexa Fluor® 488
A546 - Alexa Fluor® 546
A647 - Alexa Fluor® 647

**APPLICATION KEY**
CM - Confocal Microscopy
FA-A - Functional Assay (Activation)
FA-Neut - Functional Assay (Neutralization)
Flow-CS - Flow (Cell Surface)
Flow-Intra - Flow (Intracellular)
Flow-CS+Intra - Flow (Cell Surface) and Flow (Intracellular)
IHC-Fr - Immunohistochemistry (Frozen)
IHC-P - Immunohistochemistry (Paraffin)
IF/ICC - Immunofluorescence/Immunocytochemistry
IP - Immunoprecipitation
WB - Western Blot

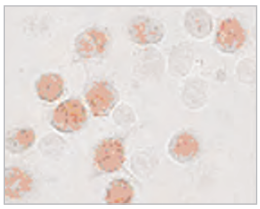
## **Dendritic Cell** Antibodies

| Description | Cat. No. | Format | Clone | Host | Species | Application |
|---|---|---|---|---|---|---|
| TLR8/CD288 | DDX0480 | Purified | 303F1.14 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, WB |
| | DDX0480A488 | A488 | 303F1.14 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, WB |
| | DDX0480A546 | A546 | 303F1.14 | Mouse | H | IF/ICC, IHC-Fr |
| | DDX0480A647 | A647 | 303F1.14 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, WB |
| | DDX0480B | Biotin | 303F1.14 | Mouse | H | Flow-Intra, IF/ICC, IHC-Fr, WB |
| TLR8/CD288 | DDX0483 | Purified | 112H7.15 | Rat | H | Flow-Intra, IF/ICC, WB |
| | DDX0483A488 | A488 | 112H7.15 | Rat | H | Flow-Intra, IF/ICC, WB |
| | DDX0483A546 | A546 | 112H7.15 | Rat | H | IF/ICC |
| | DDX0483A647 | A647 | 112H7.15 | Rat | H | Flow-Intra, IF/ICC, WB |
| | DDX0483B | Biotin | 112H7.15 | Rat | H | Flow-Intra, IF/ICC, WB |

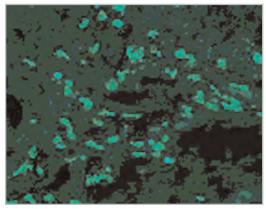
### TLR8 (DDX0480)




TLR8-transfected 293T cells probed with clone 303F1.14.

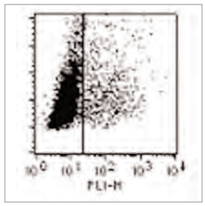


Cytospin on monocytes (day 6, GMCSF +IL4 stimulated).

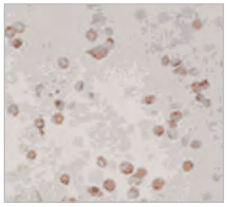


Cryosection of human tonsil probed with DDX0480A488.

### TLR8 (DDX0483)




TLR8-transfected 293T cells probed with clone 112H7.15



hTLR8-293T transfected cells stained with DDX0483.

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