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# Product datasheet for DDX0180B-100

## CLECSF6 (CLEC4A) Mouse Monoclonal Antibody [Clone ID: 111F8.04]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | 111F8.04 |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | **DDX0180P-50 / DDX0180P-100 Purified:** FACS surface, ImmunoHistoChemistry frozen sections, Western Blot, Immunoprecipitation.<br>**DDX0180A488-50 / DDX0180A488-100 Alexa-fluor®488:** FACS surface, ImmunoFluorescence, ImmunoHistoChemistry frozen sections, Western Blot.<br>**DDX0180A546-50 / DDX0180A546-100 Alexa-fluor®546:** ImmunoFluorescence, Western Blot.<br>**DDX0180A647-50 / DDX0180A647-100 Alexa-fluor®647:** FACS surface, Western Blot.<br>**DDX0180B-50 / DDX0180B-100 Biotin:** ImmunoHistoChemistry frozen sections, Western Blot.<br>*This monoclonal antibody may be used between 5-20 µg/ml. |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | human DCIR-Ig fusion protein. |
| **Specificity:** | human DCIR. |
| **Formulation:** | 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8<br>Label: Biotin |
| **Purification:** | QMA Hyper D ion exchange chromatography |
| **Conjugation:** | Biotin |
| **Storage:** | **-20°C. KEEP CONTENTS STERILE: no preservative.**<br>**Purified antibodies: avoid repeated freeze/thaw cycles.**<br>**Coupled antibodies: glycerol protects from freezing.** |
| **Gene Name:** | C-type lectin domain family 4 member A |
| **Database Link:** | Entrez Gene 50856 Human |

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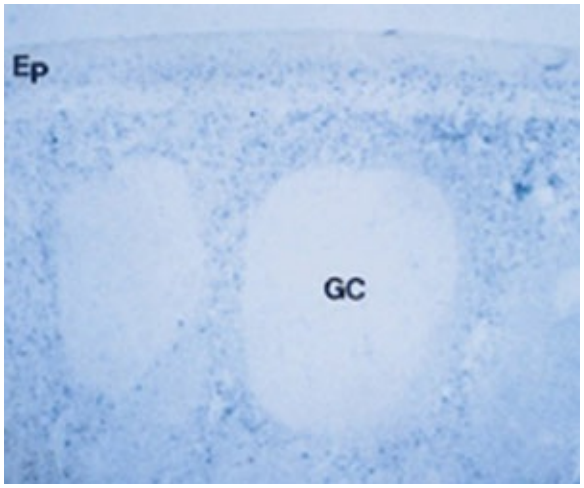
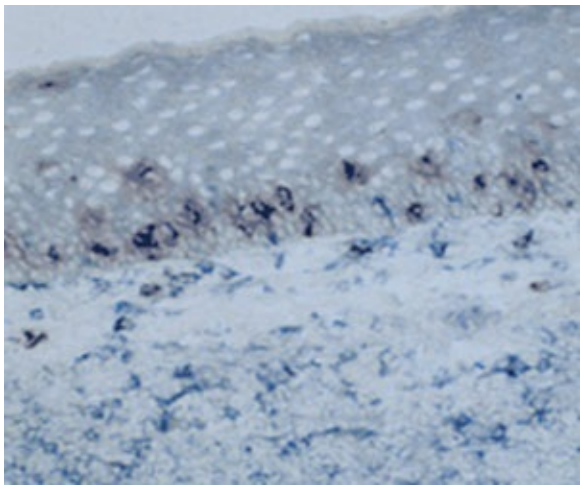
**Background:** DCIR (dendritic cell immunoreceptor), also known as LLIR, DDB27, CLECSF6, HDCGC13P, is a member of the Dectin-2 family of C-type lectins. DCIR is expressed as a type II membrane glycoprotein of 237 aa with a single carbohydrate recognition domain (CRD), closest in homology to those of the macrophage lectin and hepatic asialoglycoprotein receptors. In contrast to the other members of this family, the intracellular domain of DCIR contains a consensus immunoreceptor tyrosine-based inhibitory motif (ITIM). DCIR is expressed on dendritic cells, monocytes, macrophages, B lymphocytes, neutrophils, granulocytes and plasmacytoid dendritic cells, but not detected on NK and T cells. In vitro, DCIR is strongly expressed by DCs derived from blood monocytes cultured with GM-CSF and IL-4 with a higher expression in CD14+ than CD1a+ derived DC. Finally, DCIR expression is down-regulated by signals inducing DC maturation such as CD40 ligand, LPS, or TNF-□. Thus, DCIR is differentially expressed on DCs depending on their origin and stage of maturation/activation. DCIR represents a novel surface molecule expressed by antigenpresenting cells, and of potential importance in regulation of DC function.
*(Bates EE et al, 1999; J. Immunol., 163: 1973-1983).*

**Synonyms:** C-type lectin DDB27, CLECSF6, DCIR, LLIR, HDCGC13P, Dendritic cell immunoreceptor, Lectin-like immunoreceptor

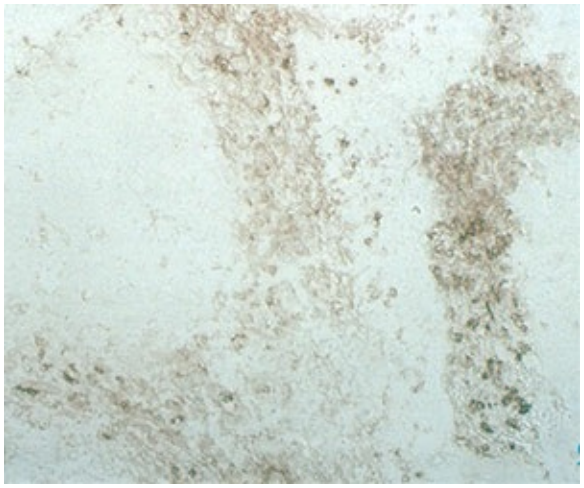
## Product images:



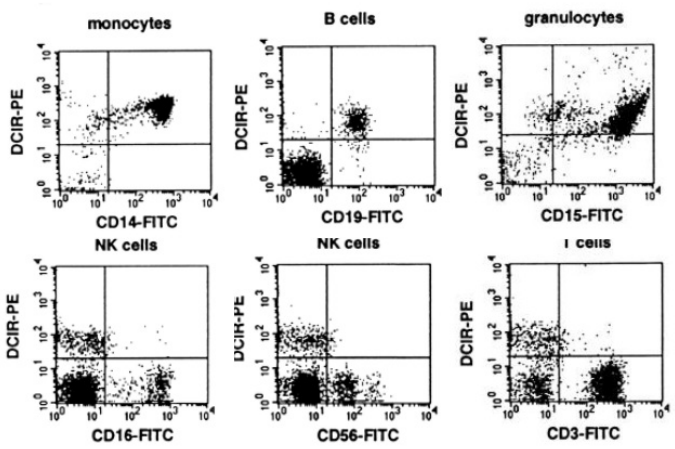

IHC staining of human tonsil frozen section with clone 111F8 (DX0180)



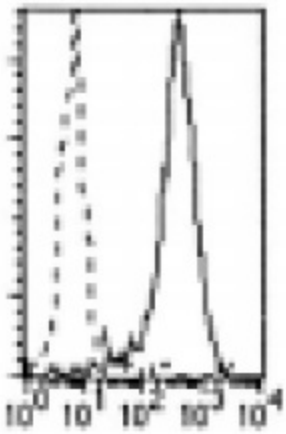
IHC staining of human tonsil frozen section with clone 111F8 (DX0180)



IHC staining of human tonsil frozen section with clone 111F8 (DX0180)




Facs analysis of DCIR expression on human peripheral blood leukocytes using 111F8



FACS staining of monocyte derived DCs (GM+IL4) with 111F8