

# Monoclonal Anti-human DCIR

Product reference: **DDX0180**

**Description:**

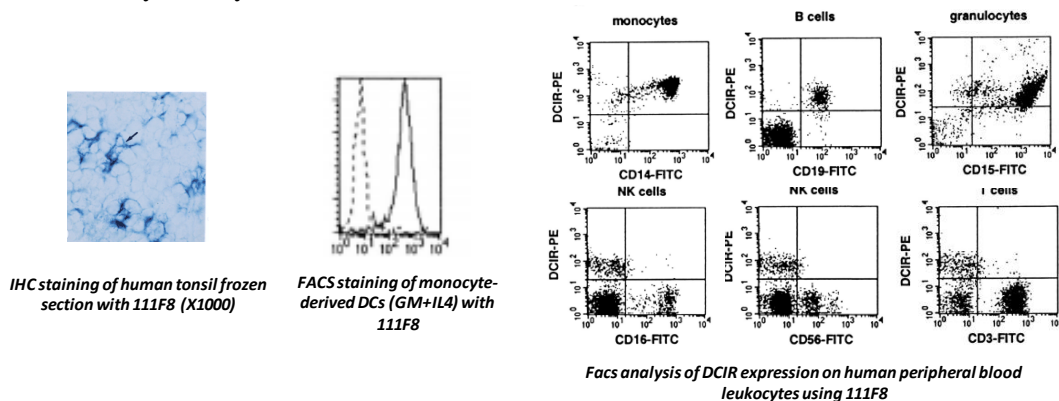
DCIR (dendritic cell immunoreceptor) is a member of the Dectin-2 family of C-type lectins. DCIR is expressed as a type II membrane glycoprotein of 237 aa with a single carbohydrate recognition domain (CRD), closest in homology to those of the macrophage lectin and hepatic asialoglycoprotein receptors. 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<sup>+</sup> than CD1a<sup>+</sup> derived DC. Finally, DCIR expression is down-regulated by signals inducing DC maturation such as CD40 ligand, LPS, or TNF- $\alpha$ . Thus, DCIR is differentially expressed on DCs depending on their origin and stage of maturation/activation. DCIR represents a novel surface molecule expressed by antigen-presenting cells, and of potential importance in regulation of DC function. (Bates EE et al, 1999; J. Immunol., 163: 1973-1983)

**Clone:** 111F8.04  
**Species:** mouse  
**Specificity:** human DCIR  
**Immunogen:** human DCIR-Ig fusion protein  
**Species cross-reactivity:** nd  
**Isotype:** IgG1  
**Purification:** QMA Hyper D ion exchange chromatography  
**Formulation/size:** **Purified:** 100  $\mu$ g in 200 $\mu$ l / 50  $\mu$ g in 100  $\mu$ l Tris-NaCl pH 8  
**Coupled:** 100  $\mu$ g in 200 $\mu$ l / 50  $\mu$ g in 100  $\mu$ l PBS 50% glycerol

**Available formats:**

Reference N <sup>o</sup>		Format	Application tested
50 $\mu$ g	100 $\mu$ g		
DDX0180P-50	DDX0180P-100	Purified	Surface Flow cytometry, IHC
DDX0180A488-50	DDX0180A488-100	Alexa-fluor@488	Surface Flow cytometry, IF
DDX0180A546-50	DDX0180A546-100	Alexa-fluor@546	IF
DDX0180A647-50	DDX0180A647-100	Alexa-fluor@647	Surface Flow cytometry
DDX0180B-50	DDX0180B-100	Biotin	IHC

**Applications:** flow cytometry, IHC



**Usage recommendation:**

- \*This monoclonal antibody may be used between 5-20  $\mu$ g/ml.
- \*Optimal dilution should be determined by each laboratory for each application.
- \*Coupled antibody: to maintain RT before use.

**Aliquot storage conditions:**

- 20°C. **KEEP CONTENTS STERILE: no preservative.**
- Purified antibodies:** avoid repeated freeze/thaw cycles.
- Coupled antibodies:** glycerol protects from freezing.

Not for use in Humans. For research purpose only