

Monoclonal Anti-human CD303

Product reference: DDX0040

Description

CD303/ DLEC/ BDCA-2 / CLECSF7 / CLECSF11

CD303 is a calcium dependent type II lectin also known as Blood-Dendritic-Cell-Antigen-2 specifically expressed by human plasmacytoid dendritic cells (pDC). CD303/BDCA-2 is a 25 kDa type II membrane glycoprotein with a single carbohydrate recognition domain (CRD) predicting mannose-type specificity. Protein expression is restricted to the immature plasmacytoid dendritic cells subset. BDCA-2 is involved in ligand internalization, processing and presentation, as well as in inhibition of IFN- α/β synthesis.

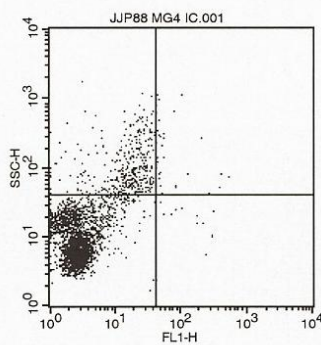
(Treilleux I. et al, 2004, *Clin. Canc. Res.*, 10: 7466; Dzionek A. et al, 2000, *J. Immunol.*, 165, 6037; Dzionek A. et al, 2001 *J. Exp. Med.* 194, 1823-1834)

Clone:	108H10.03
Species:	mouse
Specificity:	human CD303
Immunogen:	human recombinant BDCA-2 like protein
Species cross-reactivity:	nd
Isotype:	IgM
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8 Coupled: 100 μ g in 200 μ l / 50 μ g in 100 μ l PBS 50% glycerol

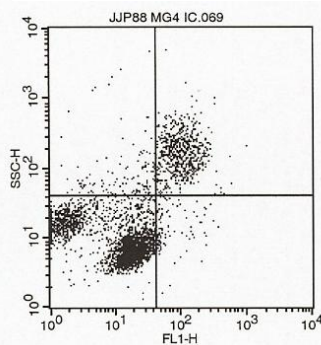
Available formats: (other clones available on request)

Reference N°		Format	Application tested
50 μ g	100 μ g		
DDX0040P-50	DDX0040P-100	Purified	Bouin Paraffin, IHC, inhibition INF-alpha secretion
DDX0040A488-50	DDX0040A488-100	Alexa-fluor®488	Surface Flow cytometry, IF
DDX0040A546-50	DDX0040A546-100	Alexa- fluor®546	IF
DDX0040A647-50	DDX0040A647-100	Alexa- fluor®647	Surface Flow cytometry
DDX0040B-50	DDX0040B-100	Biotin	IHC

Applications tested: Intracellular and surface FACS staining, IHC

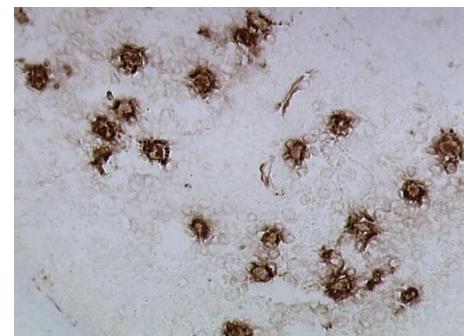


Isotype control



108H10

Intracellular FACS staining of monocyte-derived (GM+IL4) Dcs



Human spleen frozen section stained with 108H10 at 10 μ g/ml

Usage recommendation:

- *This monoclonal antibody may be used between 5-20 μ 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