

Monoclonal Anti-human CD303

Product reference: DDX0042

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, 6037-2001 ; *J. Exp. Med.* 194, 1823-1834)

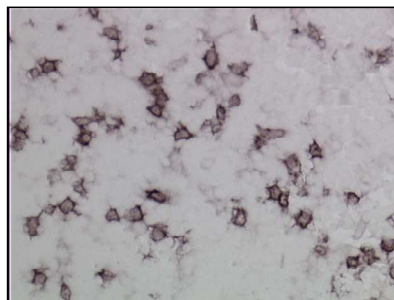
Clone:	110H7.05
Species:	mouse
Specificity:	human CD303
Immunogen:	human recombinant BDCA-2
Species cross- reactivity:	nd
Isotype:	IgG1
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l Tris-NaCl pH 8 Coupled: 100 μ g in 200 μ l PBS 50% glycerol

Available formats:

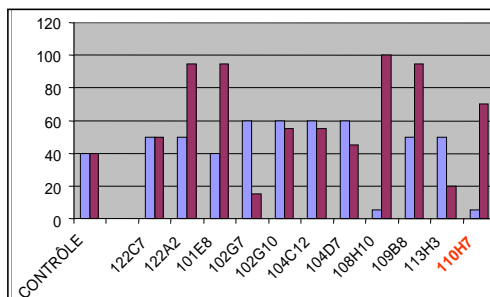
Reference	Format	Application tested
DDX0042	Purified	Surface Flow cytometry, IHC Bouin paraffin, inhibition IFN- α secretion <i>via</i> cytotoxic effect
DDX0042A488 (on request)	Alexa-fluor@488	Flow cytometry
DDX0042A546 (on request)	Alexa- fluor@546	IF
DDX0042A647 (on request)	Alexa- fluor@647	
DDX0042B (on request)	Biotin	

Applications tested:

IHC, inhibition of IFN α production



Human lymph node section:
Bouin-paraffin-embedded section
incubated with purified clone 110H7.05.



This monoclonal antibody was added to enriched pDCs cultured in presence of CPG 22 16 during 24h and viability and IFN- α secretion were measured

Cell viability

Inhibition of IFN- α production

Usage recommendation:

- *This monoclonal antibody may be used between 5-25 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