

Monoclonal Anti-human CD303

Product reference: DDX0041

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.

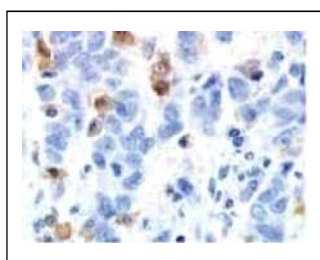
(Treilleux I. et al, 2004, Clin. Canc. Res., 10:7466; Dzionek A. et al, 2000, J. Immunol., 165, 6037,2001; J. Exp. Med. 194, 1823-1834)

Clone: 104C12.08
Species: mouse
Specificity: human BDCA-2
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

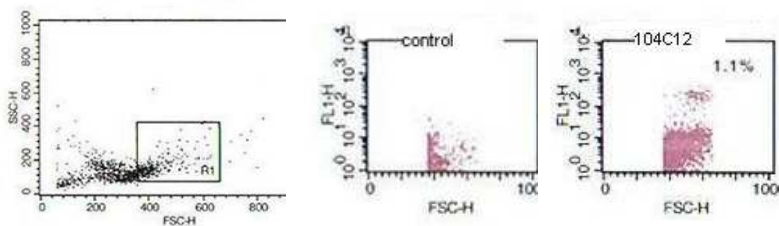
Available formats:

Reference	Format	Application tested
DDX0041	Purified	Paraffin (formol, Bouin Hollande), IHC
DDX0041A488	Alexa-fluor@488	Surface Flow cytometry, IF
DDX0041A546	Alexa-fluor@546	IF
DDX0041A647	Alexa-fluor@647	Flow cytometry
DDX0041B	Biotin	IHC

Applications tested: IHC paraffin and cryosections, flow cytometry



IHC staining of paraffin-embedded human breast tumor with 104C12-DAB



Facs analysis of human PBMCs stained with 104C12

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

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