

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; Dzionek A. et al, 2001, J. Exp. Med. 194, 1823-1834)

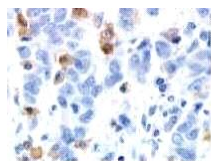
Clone:	104C12.08
Species:	mouse
Specificity:	human CD303
Immunogen:	human recombinant BDCA-2 like protein
Species cross-reactivity:	nd
Isotype:	IgG1
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8 Coupled: 100 μ g in 200 μ l / 50 μ g in 100 μ l PBS 50% glycerol

Available formats: (other clones available on request)

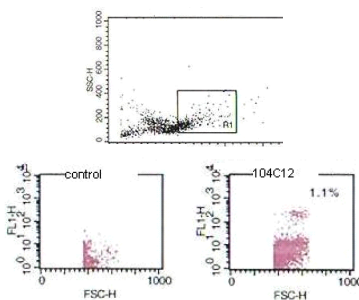
Reference		Format	Application tested
50 μ g	100 μ g		
DDX0041P-50	DDX0041P-100	Purified	Paraffin (formol, Bouin Hollande), IHC
DDX0041A488-50	DDX0041A488-100	Alexa-fluor@488	Surface Flow cytometry, IF
DDX0041A546-50	DDX0041A546-100	Alexa-fluor@546	IF
DDX0041A647-50	DDX0041A647-100	Alexa-fluor@647	Flow cytometry
DDX0041B-50	DDX0041B-100	Biotin	IHC

Applications tested:

IHC paraffin and cryosections, flow cytometry



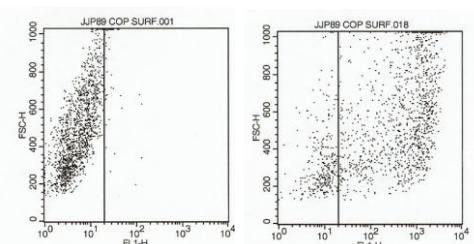
IHC staining of paraffin-embedded human breast tumor with 104C12



Surface FACS staining of human PBMCs with 104C12

Isotype control

104C12



Surface FACS staining of CD303-transfected COP5 cells

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