

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

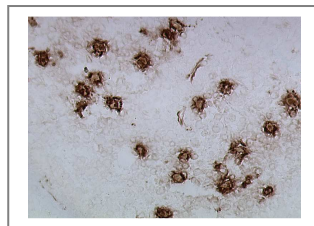
Clone:	108H10.03
Species:	mouse
Specificity:	human CD303
Immunogen:	human recombinant BDCA-2
Species cross-reactivity:	nd
Isotype:	IgM
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 μ g in 200 μ l Tris-NaCl pH 8 Coupled: 100 μ g in 200 μ l PBS 50% glycerol

Available formats:

Reference	Format	Application tested
DDX0040	Purified	Bouin Paraffin, IHC, inhibition INF-alpha secretion
DDX0040A488	Alexa-fluor®488	Surface Flow cytometry, IF
DDX0040A546	Alexa- fluor®546	IF
DDX0040A647	Alexa- fluor®647	Surface Flow cytometry
DDX0040B	Biotin	IHC

Applications:

IHC cryosection and Bouin's embedded paraffin



Human spleen frozen section was incubated with purified clone 108H10 at 10 μ g/ml and subsequently with a biotinylated goat anti-mouse IgM. Peroxidase staining was done with Streptavidine-HRP and DAB.

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