

CD303 Polyclonal Antibody

Catalog # AP74113

Product Information

Application IHC-P
Primary Accession Q8WTT0
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 25038

Additional Information

Gene ID 170482

Other Names C-type lectin domain family 4 member C (Blood dendritic cell antigen 2)

(BDCA-2) (C-type lectin superfamily member 7) (Dendritic lectin) (CD antigen

CD303)

Dilution IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name CLEC4C

Synonyms BDCA2, CLECSF11, CLECSF7, DLEC, HECL

Function Lectin-type cell surface receptor which may play a role in antigen capturing

by dendritic cells (PubMed: 11748283, PubMed: 21880719, PubMed: 25995448).

Specifically recognizes non-sialylated galactose- terminated biantennary

glycans containing the trisaccharide epitope

Gal(beta1-3/4)GlcNAc(beta1-2)Man (PubMed:21880719, PubMed:25995448). Binds to serum IgG (PubMed:25995448). Efficiently targets ligand into antigen-processing and peptide-loading compartments for presentation to T-cells (PubMed:11748283). May mediate potent inhibition of induction of IFN-alpha/beta expression in plasmacytoid dendritic cells (PubMed:11748283,

PubMed:<u>21880719</u>). May act as a signaling receptor that activates protein-tyrosine kinases and mobilizes intracellular calcium

(PubMed:11748283).

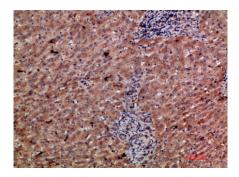
Cellular Location Cell membrane; Single-pass type II membrane protein

Expressed in plasmacytoid dendritic cells (PDCs). Constitutively expressed in immature monocyte-derived dendritic cells (iMDDC) and is significantly down-regulated upon maturation with LPS but not with TNF-alpha.

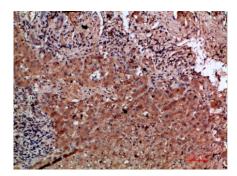
Background

Lectin-type cell surface receptor which may play a role in antigen capturing by dendritic cells (PubMed:11748283, PubMed:21880719, PubMed:25995448). Specifically recognizes non-sialylated galactose-terminated biantennary glycans containing the trisaccharide epitope Gal(beta1-3/4)GlcNAc(beta1-2)Man (PubMed:21880719, PubMed:25995448). Binds to serum IgG (PubMed:25995448). Efficiently targets ligand into antigen- processing and peptide-loading compartments for presentation to T- cells (PubMed:11748283). May mediate potent inhibition of induction of IFN-alpha/beta expression in plasmacytoid dendritic cells (PubMed:11748283, PubMed:21880719). May act as a signaling receptor that activates protein-tyrosine kinases and mobilizes intracellular calcium (PubMed:11748283).

Images



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:200

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