

CD303 (BDCA-2) recombinant protein

CatalogNo: YD3012

Key Features

Reactivity

- Human

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence Amino acid:45-213,with human FC tag.

Target Information

Gene name CLEC4C

Protein Name 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)

Organism

Human

Gene ID

[170482](#);

UniProt ID

[Q8WTT0](#);

Cellular Localization

Cell membrane ; Single-pass type II membrane protein .

Tissue specificity

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.

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:21880719). May act as a signaling receptor that activates protein-tyrosine kinases and mobilizes intracellular calcium (PubMed:11748283).

| Validation Data

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:
CD303 (BDCA-2) recombinant protein

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)