

CLEC4C / BDCA2 Antibody (Internal region)
Peptide-affinity purified goat antibody
Catalog # AF2955a**Specification**

CLEC4C / BDCA2 Antibody (Internal region) - Product Information

Application	WB
Primary Accession	Q8WTT0
Other Accession	NP_569708.1 , NP_987099.1 , 170482
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	25038

CLEC4C / BDCA2 Antibody (Internal region) - 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, CD303, CLEC4C, BDCA2, CLECSF11, CLECSF7, DLEC, HECL

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CLEC4C / BDCA2 Antibody (Internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

CLEC4C / BDCA2 Antibody (Internal region) - 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](http://www.uniprot.org/citations/11748283), PubMed: [21880719](http://www.uniprot.org/citations/21880719), PubMed: [25995448](http://www.uniprot.org/citations/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).

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

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.

CLEC4C / BDCA2 Antibody (Internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CLEC4C / BDCA2 Antibody (Internal region) - Images



AF2955a (1 µg/ml) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CLEC4C / BDCA2 Antibody (Internal region) - Background

This antibody is expected to recognize isoform 1 and 2 (NP_569708.1; NP_987099.1).

CLEC4C / BDCA2 Antibody (Internal region) - References

TLR9/TLR7-triggered downregulation of BDCA2 expression on human plasmacytoid dendritic cells from healthy individuals and lupus patients. Wu P, Wu J, Liu S, Han X, Lu J, Shi Y, Wang J, Lu L, Cao X. Clin Immunol. 2008 Oct;129(1):40-8. Epub 2008 Aug 5. PMID: 18684674