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Anti-CLEC4C Reference Antibody (LFB patent anti-BDCA-2)

Recombinant Antibody
Catalog # APR10837

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q8WTT0
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Calculated MW	25038

Additional Information

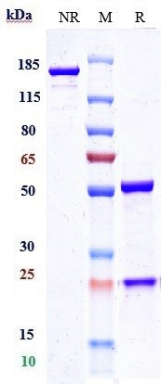
Target/Specificity	CLEC4C
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

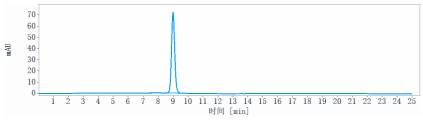
Name	CLEC4C
Synonyms	BDCA2, CLECSF11, CLECSF7, DLEC, HECL
Function	Lectin-type cell surface receptor which may play a role in antigen capturing by dendritic cells (PubMed:11748283, PubMed:21880719, PubMed:25995448). Specifically recognizes non-sialylated galactose- terminated biantennary glycans containing 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: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.

Images



Anti-CLEC4C Reference Antibody (LFB patent anti-BDCA-2) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CLEC4C Reference Antibody (LFB patent anti-BDCA-2)is more than 95% ,determined by SEC-HPLC.