

Anti-CLEC7A Reference Antibody (Baylor patent anti-Dectin-1)

Recombinant Antibody
Catalog # APR10838

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9BXN2
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	27627

Additional Information

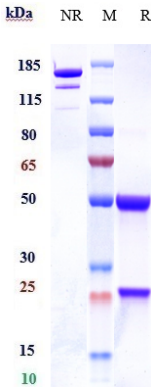
Target/Specificity	CLEC7A
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

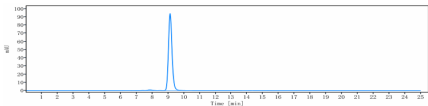
Name	CLEC7A (HGNC:14558)
Function	Lectin that functions as a pattern recognizing receptor (PRR) specific for beta-1,3-linked and beta-1,6-linked glucans, which constitute cell wall constituents from pathogenic bacteria and fungi (PubMed: 11567029 , PubMed: 12423684). Necessary for the TLR2-mediated inflammatory response and activation of NF-kappa-B: upon beta-glucan binding, recruits SYK via its ITAM motif and promotes a signaling cascade that activates some CARD domain-BCL10-MALT1 (CBM) signalosomes, leading to the activation of NF-kappa-B and MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) pathways which stimulate expression of genes encoding pro-inflammatory cytokines and chemokines (By similarity). Enhances cytokine production in macrophages and dendritic cells (By similarity). Mediates production of reactive oxygen species in the cell (By similarity). Mediates phagocytosis of C.albicans conidia (PubMed: 17230442). Binds T-cells in a way that does not involve their surface glycans and plays a role in T-cell activation. Stimulates T-cell proliferation. Induces phosphorylation of SCIMP after binding beta-glucans (By similarity).

Cellular Location	Cell membrane; Single-pass type II membrane protein [Isoform 6]: Cytoplasm.
Tissue Location	Highly expressed in peripheral blood leukocytes and dendritic cells. Detected in spleen, bone marrow, lung, muscle, stomach and placenta.

Images



Anti-CLEC7A Reference Antibody (Baylor patent anti-Dectin-1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.



The purity of Anti-CLEC7A Reference Antibody (Baylor patent anti-Dectin-1) is more than 95%, determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.