

CLEC6A Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18742b**Specification**

CLEC6A Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q6EIG7](#)**CLEC6A Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 93978**Other Names**

C-type lectin domain family 6 member A, C-type lectin superfamily member 10, Dendritic cell-associated C-type lectin 2, DC-associated C-type lectin 2, Dectin-2, CLEC6A, CLECSF10, DECTIN2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CLEC6A Antibody (C-term) Blocking Peptide - Protein Information**Name** CLEC6A ([HGNC:14556](#))**Function**

Calcium-dependent lectin that acts as a pattern recognition receptor (PRR) of the innate immune system: specifically recognizes and binds alpha-mannans on *C.albicans* hyphae (PubMed:23911656, PubMed:28652405). Binding of *C.albicans* alpha-mannans to this receptor complex leads to phosphorylation of the immunoreceptor tyrosine-based activation motif (ITAM) of FCER1G, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes (By similarity). Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production (By similarity). Recognizes soluble elements from the eggs of *Shistosoma mansoni* altering adaptive immune responses (By similarity).

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Expressed in lung, spleen, lymph node, leukocytes, bone marrow, tonsils and dendritic cells. Strongly expressed in purified monocytes and weakly in B-cells. In peripheral blood cells, preferentially expressed in plasmacytoids rather than myeloids

CLEC6A Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CLEC6A Antibody (C-term) Blocking Peptide - Images

CLEC6A Antibody (C-term) Blocking Peptide - Background

Like dectin-1 (CLEC7A; MIM 606264), CLEC6A, or dectin-2, is a type II membrane receptor with an extracellular C-type lectin-like domain fold. However, unlike dectin-1, dectin-2 lacks an immunoreceptor tyrosine-based activation motif (ITAM) in its cytoplasmic domain (Kanazawa et al., 2004 [PubMed15175046]).

CLEC6A Antibody (C-term) Blocking Peptide - References

Gavino, A.C., et al. Exp. Dermatol. 14(4):281-288(2005) Flornes, L.M., et al. Immunogenetics 56(7):506-517(2004) Kanazawa, N., et al. J. Invest. Dermatol. 122(6):1522-1524(2004)