

CLEC12B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11585b**Specification**

CLEC12B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q2HXU8](#)**CLEC12B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 387837**Other Names**

C-type lectin domain family 12 member B, Macrophage antigen H, CLEC12B

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.

CLEC12B Antibody (C-term) Blocking peptide - Protein Information**Name** CLEC12B {ECO:0000303|PubMed:34310951, ECO:0000312|HGNC:HGNC:31966}**Function**

Inhibitory receptor postulated to negatively regulate immune and non-immune functions (PubMed:17562706, PubMed:34310951). Upon phosphorylation, recruits SH2 domain-containing PTPN6 and PTPN11 phosphatases to its ITIM motif and antagonizes activation signals (PubMed:17562706, PubMed:34310951). Although it inhibits KLRK1/NKG2D- mediated signaling, it does not bind known ligands of KLRK1/NKG2D and therefore is not its inhibitory counterpart (PubMed:17562706). May limit activation of myeloid cell subsets in response to infection or tissue inflammation (PubMed:17562706). May protect target cells against natural killer cell-mediated lysis (PubMed:17562706). May negatively regulate cell cycle and differentiation of melanocytes via inactivation of STAT3 (PubMed:34310951).

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Detected in colon, heart, kidney, liver, lung, mammary gland, ovary, spleen and testis (PubMed:17562706). Expressed in melanocytes (at protein level) (PubMed:34310951)

CLEC12B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CLEC12B Antibody (C-term) Blocking peptide - Images**CLEC12B Antibody (C-term) Blocking peptide - Background**

Cell surface receptor that protects target cells against natural killer cell-mediated lysis. Modulates signaling cascades and mediates tyrosine phosphorylation of target MAP kinases.

CLEC12B Antibody (C-term) Blocking peptide - References

Hoffmann, S.C., et al. J. Biol. Chem. 282(31):22370-22375(2007)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)