

DCL-1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6522c**Specification**

DCL-1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IX05](#)**DCL-1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9936**Other Names**

CD302 antigen, C-type lectin BIMLEC, C-type lectin domain family 13 member A, DEC205-associated C-type lectin 1, Type I transmembrane C-type lectin receptor DCL-1, CD302, CD302, CLEC13A, DCL1, KIAA0022

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6522c](/products/AP6522c) was selected from the Center region of human DCL-1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

DCL-1 Antibody (Center) Blocking Peptide - Protein Information**Name** CD302**Synonyms** CLEC13A, DCL1, KIAA0022**Function**

Multifunctional C-type lectin receptor involved in endocytosis, phagocytosis and regulation of cell adhesion and migration (PubMed: [17947679](http://www.uniprot.org/citations/17947679), PubMed: [27316686](http://www.uniprot.org/citations/27316686)). Plays a critical role in guiding dendritic cells to lymph nodes (PubMed: [27316686](http://www.uniprot.org/citations/27316686)). Also functions as a restriction factor for Hepatitis C virus (HCV) at the liver cell surface, likely by inhibiting a viral cell entry step (PubMed: [35297672](http://www.uniprot.org/citations/35297672)).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell projection, filopodium. Cytoplasm, cell cortex. Cell projection, microvillus. Note=Colocalizes with F-actin in filopodia, cellular cortex and microvilli of the apical cell surface

Tissue Location

Expressed at moderate levels in monocytes, myeloid blood dendritic cells and granulocytes and at low levels in plasmacytoid blood dendritic cells, monocyte-derived macrophages and monocyte-derived dendritic cells, with no expression detected in T- lymphocytes, B-lymphocytes and natural killer cells (at protein level) Expressed widely in different tissues, with highest expression levels in liver, lung, peripheral blood leukocytes and spleen, and lowest levels in neuronal tissues, skeletal muscle and ovary. Isoform 2 and isoform 3 are expressed in malignant Hodgkin lymphoma cells called Hodgkin and Reed-Sternberg (HRS) cells.

DCL-1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DCL-1 Antibody (Center) Blocking Peptide - Images**DCL-1 Antibody (Center) Blocking Peptide - Background**

CD302 is a C-type lectin receptor involved in cell adhesion and migration, as well as endocytosis and phagocytosis.

DCL-1 Antibody (Center) Blocking Peptide - References

Kato,M., J. Immunol. 179 (9), 6052-6063 (2007)