

**CLEC2D Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18951c****Specification**

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**CLEC2D Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UHP7](#)**CLEC2D Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 29121**Other Names**

C-type lectin domain family 2 member D, Lectin-like NK cell receptor, Lectin-like transcript 1, LLT-1, Osteoclast inhibitory lectin, CLEC2D, CLAX, LLT1, OCIL

**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.

**CLEC2D Antibody (Center) Blocking Peptide - Protein Information****Name** CLEC2D**Synonyms** CLAX, LLT1, OCIL**Function**

Receptor for KLRB1 that protects target cells against natural killer cell-mediated lysis (PubMed:<a href="http://www.uniprot.org/citations/20843815" target="\_blank">20843815</a>, PubMed:<a href="http://www.uniprot.org/citations/16339513" target="\_blank">16339513</a>). Inhibits osteoclast formation (PubMed:<a href="http://www.uniprot.org/citations/14753741" target="\_blank">14753741</a>, PubMed:<a href="http://www.uniprot.org/citations/15123656" target="\_blank">15123656</a>). Inhibits bone resorption (PubMed:<a href="http://www.uniprot.org/citations/14753741" target="\_blank">14753741</a>). Modulates the release of interferon-gamma (PubMed:<a href="http://www.uniprot.org/citations/15104121" target="\_blank">15104121</a>). Binds high molecular weight sulfated glycosaminoglycans (PubMed:<a href="http://www.uniprot.org/citations/15123656" target="\_blank">15123656</a>).

**Cellular Location**

Cell membrane; Single-pass type II membrane protein [Isoform 4]: Endoplasmic reticulum

**Tissue Location**

Detected in peripheral blood leukocytes, osteoblasts, lymph node, thymus and spleen. Isoform 1, isoform 2 and isoform 4 are expressed in T- and B-lymphocytes, and at lower levels in NK cells. They are also expressed in B-cell lines and LPS-matured monocyte-derived dendritic cells.

### **CLEC2D Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **CLEC2D Antibody (Center) Blocking Peptide - Images**

### **CLEC2D Antibody (Center) Blocking Peptide - Background**

This gene encodes a member of the natural killer cell receptor C-type lectin family. The encoded protein inhibits osteoclast formation and contains a transmembrane domain near the N-terminus as well as the C-type lectin-like extracellular domain. Several alternatively spliced transcript variants have been identified for this gene.

### **CLEC2D Antibody (Center) Blocking Peptide - References**

Germain, C., et al. J. Biol. Chem. (2010) In press :Bambard, N.D., et al. Scand. J. Immunol. 71(3):210-219(2010)Skinningsrud, B., et al. J. Clin. Endocrinol. Metab. 93(9):3310-3317(2008)Rosen, D.B., et al. J. Immunol. 180(10):6508-6517(2008)Pineda, B., et al. Calcif. Tissue Int. 82(5):348-353(2008)