

**KLRC4 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12559a****Specification**

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**KLRC4 Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [O43908](#)

**KLRC4 Antibody (N-term) Blocking peptide - Additional Information**

**Gene ID** 8302

**Other Names**

NKG2-F type II integral membrane protein, NK cell receptor F, NKG2-F-activating NK receptor, KLRC4, NKG2F

**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.

**KLRC4 Antibody (N-term) Blocking peptide - Protein Information**

**Name** KLRC4

**Synonyms** NKG2F

**Function**

May play a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells.

**Cellular Location**

Membrane; Single-pass type II membrane protein.

**Tissue Location**

Natural killer cells.

**KLRC4 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**KLRC4 Antibody (N-term) Blocking peptide - Images****KLRC4 Antibody (N-term) Blocking peptide - Background**

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. KLRC4 is a member of the NKG2 group which are expressed primarily in natural killer (NK) cells and encodes a family of transmembrane proteins characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed on NK cells. The 3' end of the KLRC4 transcript includes the first non-coding exon found at the 5' end of the adjacent D12S2489E gene transcript.

**KLRC4 Antibody (N-term) Blocking peptide - References**

Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010) Ma, J., et al. J. Med. Virol. 82(9):1501-1507(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Sellick, G.S., et al. Blood 111(3):1625-1633(2008) Cao, Q., et al. Zhonghua Nei Ke Za Zhi 45(10):824-826(2006)