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KLRC4 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12559a

Specification

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

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KLRC4 Antibody (N-term) Blocking peptide - Images

KLRC4 Antibody (N-term) Blocking peptide - Background

Natural killer (NK) cells are lymphocytes that can mediatelysis of certain tumor cells and virus-infected cells withoutprevious activation. They can also regulate specific humoral andcell-mediated immunity. NK cells preferentially express severalcalcium-dependent (C-type) lectins, which have been implicated inthe regulation of NK cell function. KLRC4 is a member of the NKG2group which are expressed primarily in natural killer (NK) cellsand encodes a family of transmembrane proteins characterized by atype II membrane orientation (extracellular C terminus) and thepresence of a C-type lectin domain. The NKG2 gene family is locatedwithin the NK complex, a region that contains several C-type lectingenes preferentially expressed on NK cells. The 3' end of the KLRC4transcript includes the first non-coding exon found at the 5' endof 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)