KLRF1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	KLRF1, Blocking Peptide
Full Product Name	KLRF1 Peptide - middle region
Product Gene Name	KLRF1 blocking peptide
Product Synonym Gene Name	CLEC5C; MGC119907; MGC119908; MGC119909; NKp80
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	KLRF1 peptide (MBS3233460) is used for blocking the activity of KLRF1 antibody (MBS3208498)
Molecular Weight	26kDa
OMIM	605029
Product Categories/Family for KLRF1 blocking peptide	Peptide
Applications Tested/Suitable for KLRF1 blocking peptide	Western Blot (WB)
Related Product Information for KLRF1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-KLRF1 antibody made Target Description: KLRF1, an activating homodimeric C-type lectin-like receptor (CTLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytoxicity and cytokine release (Kuttruff et al., 2009 [PubMed 18922855]).
Other Notes	Small volumes of KLRF1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KLRF1 purchase	MBS3233460 is a blocking peptide targeting KLRF1. Also known as KLRF1 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLRF1. It may not necessarily be applicable to this product.

NCBI GI #	7705574
NCBI GeneID	51348
NCBI Accession #	NP_057607
UniProt Primary Accession #	Q9NZS2
UniProt Related Accession #	Q9NZS2
GenBank Nucleotide #	NM_016523
NCBI Official Full Name	killer cell lectin-like receptor subfamily F member 1 isoform 1
NCBI Official Synonym Full Names	killer cell lectin like receptor F1
NCBI Official Symbol	KLRF1
NCBI Official Synonym Symbols	NKp80; CLEC5C

UniProt Protein Name	Killer cell lectin-like receptor subfamily F member 1
UniProt Synonym Protein Names	Activating coreceptor NKp80; C-type lectin domain family 5 member C
Protein Family	Killer cell lectin-like receptor subfamily
UniProt Gene Name	KLRF1
UniProt Synonym Gene Names	CLEC5C; ML; Lectin-like receptor F1
UniProt Entry Name	KLRF1_HUMAN
NCBI Protein Information	killer cell lectin-like receptor subfamily F member 1
NCBI Summary for KLRF1	KLRF1, an activating homodimeric C-type lectin-like receptor (CTLR), is expressed on nearly all natural killer (NK) cells and stimulates their cytoxicity and cytokine release (Kuttruff et al., 2009 [PubMed 18922855]).[supplied by OMIM, Oct 2009]
UniProt Comments for KLRF1	Function: Involved in the natural killer (NK)-mediated cytolysis of PHA-induced lymphoblasts. Subunit structure: Homodimer. Ref.3 Subcellular location: Membrane; Single-pass type II membrane protein Potential. Tissue specificity: Strongly expressed in peripheral blood leukocytes and spleen, with weaker expression in lymph node and adult liver, and no expression detected in bone marrow, thymus, and fetal liver. Not expressed in brain, heart, placenta, lung, kidney, skeletal muscle, and pancreas. Within peripheral blood leukocyte and immunocyte cell lines, expression was predominant in NK cells but was also detected in monocytes. Ref.1 Sequence similarities: Contains 1 C-type lectin domain.
Research Articles on KLRF1	**1.** NKp80 is a marker of natural killer (NK) cell maturity in secondary lymphoid tissues and supports NK cell development through a stage 4a intermediate with ILC3-associated features.
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