IL18 Blocking Peptide

PRODUCT OVERVIEW

Product Name	IL18, Blocking Peptide
Full Product Name	IL18 Blocking Peptide
Product Gene Name	IL18 blocking peptide
Preparation and Storage	Store at -20 degree C for long term storage
Antibody/Peptide Pairs	IL18 peptide (MBS5401370) is used for blocking the activity of IL18 antibody (MBS5401130)
Antibody/Peptide Pairs	IL18 peptide (MBS5401370) is used for blocking the activity of IL18 antibody (MBS5401131)
Antibody/Peptide Pairs	IL18 peptide (MBS5401370) is used for blocking the activity of IL18 antibody (MBS5401132)
Molecular Weight	22,326 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (112013974..112034840, complement). Location: 11q22.2-q22.3
OMIM	600953
Immunogen	Recombinant protein corresponding to amino acids within region 37-193 on human IL18 protein
Product Categories/Family for IL18 blocking peptide	Biomolecule
Applications Tested/Suitable for IL18 blocking peptide	Immunodepletion, Immunocompetition
Related Product Information for IL18 blocking peptide	MBS5401370 is a blocking peptide targeting IL18. Antigenic Blocking Peptide Interleukin-18 Antibody
Other Notes	Small volumes of IL18 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL18. It may not necessarily be applicable to this product.

NCBI GI #	342349321
NCBI GeneID	3606
NCBI Accession #	NP_001230140.1
UniProt Primary Accession #	Q14116
UniProt Secondary Accession #	O75599; Q6FGY3; Q6WWJ7
UniProt Related Accession #	Q14116
GenBank Nucleotide #	NM_001243211.1
NCBI Official Full Name	interleukin-18 isoform 2 proprotein
NCBI Official Synonym Full Names	interleukin 18 (interferon-gamma-inducing factor)
NCBI Official Symbol	IL18
NCBI Official Synonym Symbols	IGIF; IL-18; IL-1g; IL1F4

UniProt Protein Name	Interleukin-18
UniProt Synonym Protein Names	Iboctadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma
Protein Family	Interleukin
UniProt Gene Name	IL18
UniProt Synonym Gene Names	IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma
UniProt Entry Name	IL18_HUMAN
NCBI Protein Information	interleukin-18; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor
NCBI Summary for IL18	The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]
UniProt Comments for IL18	IL18: Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells. Belongs to the IL-1 family. Protein type: Cytokine Chromosomal Location of Human Ortholog: 11q22.2-q22.3 Cellular Component: extracellular space; extracellular region; cytosol Molecular Function: protein binding; cytokine activity Biological Process: positive regulation of granulocyte macrophage colony-stimulating factor production; positive regulation of NK T cell proliferation; natural killer cell activation; positive regulation of NF-kappaB import into nucleus; positive regulation of activated T cell proliferation; chemokine biosynthetic process; cell-cell signaling; lipopolysaccharide-mediated signaling pathway; granulocyte macrophage colony-stimulating factor biosynthetic process; angiogenesis; inflammatory response; regulation of cell adhesion; positive regulation of interleukin-17 production; positive regulation of natural killer cell proliferation; T-helper 1 type immune response; interleukin-2 biosynthetic process; T-helper 2 type immune response; MAPKKK cascade; interleukin-13 biosynthetic process; sleep; positive regulation of tissue remodeling; positive regulation of interferon-gamma production; interferon-gamma biosynthetic process; immune response; negative regulation of myoblast differentiation; positive regulation of inflammatory response
Research Articles on IL18	**1.** Circulating IL-18 levels were strongly associated with a range of established and novel risk factors but were not independently associated with risk of myocardial infarction or stroke.
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