IL6RA Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	IL6RA, Blocking Peptide
Full Product Name	IL6RA Peptide - C-terminal region
Product Gene Name	IL6RA blocking peptide
Product Synonym Gene Name	Il6r; CD126; IL-6R; IL-6RA; IL-6R-alpha
Sequence	Synthetic peptide located within the following region: PPYSLGPLKP TFLLVPLLTP HSSGSDNTVN HSCLGVRDAQ SPYDNSNRDY
Species Reactivity	Mouse
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	IL6RA peptide (MBS3248589) is used for blocking the activity of IL6RA antibody (MBS3224275)
Molecular Weight	50 kDa
Product Categories/Family for IL6RA blocking peptide	Peptide
Related Product Information for IL6RA blocking peptide	This is a synthetic peptide designed for use in combination with anti- IL6RA Antibody, made Target Description: Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.
Other Notes	Small volumes of IL6RA 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 IL6RA purchase	MBS3248589 is a blocking peptide targeting IL6RA. Also known as IL6RA Peptide - C-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL6RA. It may not necessarily be applicable to this product.

NCBI GI #	110431356
NCBI GeneID	16194
NCBI Accession #	NP_034689.2
UniProt Primary Accession #	P22272
UniProt Related Accession #	P22272
GenBank Nucleotide #	NM_010559.3
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor, alpha
NCBI Official Symbol	Il6ra

NCBI Official Synonym Symbols	Il6r; CD126; IL-6R; IL-6RA; IL-6R-alpha
UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Synonym Protein Names	IL-6R 1; CD_antigen: CD126
UniProt Gene Name	Il6ra
UniProt Synonym Gene Names	Il6r; IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA
UniProt Entry Name	IL6RA_MOUSE
NCBI Protein Information	interleukin-6 receptor subunit alpha
UniProt Comments for IL6RA	IL6R: Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis. Belongs to the type I cytokine receptor family. Type 3 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Receptor, cytokine Cellular Component: apical plasma membrane; cell surface; extracellular region; extracellular space; integral to membrane; interleukin-6 receptor complex; membrane Molecular Function: ciliary neurotrophic factor receptor activity; enzyme binding; hematopoietin/interferon-class (D200-domain) cytokine receptor activity; interleukin-6 binding; interleukin-6 receptor activity; interleukin-6 receptor binding; protein homodimerization activity Biological Process: cell growth; cytokine and chemokine mediated signaling pathway; developmental growth; endocrine pancreas development; negative regulation of collagen biosynthetic process; positive regulation of cell proliferation; positive regulation of chemokine production; positive regulation of interleukin-6 production; positive regulation of JAK-STAT cascade; positive regulation of MAPKKK cascade; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of smooth muscle cell proliferation; positive regulation of tyrosine phosphorylation of Stat3 protein; response to cytokine stimulus
Research Articles on IL6RA	**1.** Data (including data from studies using transgenic/knockout mice) suggest that signaling via IL6/IL6R couples autophagy to antioxidant response in insulin-secreting cells. (IL6 = interleukin-6; IL6R = interleukin-6 receptor)
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