IL23R Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	IL23R, Blocking Peptide
Full Product Name	IL23R Antibody (C-term) Blocking Peptide
Product Gene Name	IL23R blocking peptide
Product Synonym Names	Interleukin-23 receptor; IL-23 receptor; IL-23R; IL23R
Clone Number	100507197
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	IL23R peptide (MBS9222188) is used for blocking the activity of IL23R antibody (MBS9201088)
Molecular Weight	25,551 Da
OMIM	607562
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed by monocytes, Th1, Th0, NK and dendritic cells. Isoform 1 is specifically expressed in NK cells
Related Product Information for IL23R blocking peptide	Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis.
Other Notes	Small volumes of IL23R 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 IL23R purchase	MBS9222188 is a blocking peptide targeting IL23R. Also known as IL23R Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL23R. It may not necessarily be applicable to this product.

NCBI GI #	311033431
NCBI GeneID	149233
NCBI Accession #	Q5VWK5.3
UniProt Primary Accession #	Q5VWK5
UniProt Secondary Accession #	Q4VGP1; Q4VGP2; Q4VGP3; Q4VGP4; Q4VGP5; Q4VGP6; Q5VWK7; Q8IW84; Q8NFQ9; Q96AS1; C9JGX4
UniProt Related Accession #	Q5VWK5
NCBI Official Full Name	Interleukin-23 receptor
NCBI Official Synonym Full Names	interleukin 23 receptor
NCBI Official Symbol	IL23R
UniProt Protein Name	Interleukin-23 receptor

Protein Family	Interleukin-23 receptor
UniProt Gene Name	IL23R
UniProt Synonym Gene Names	IL-23 receptor; IL-23R
UniProt Entry Name	IL23R_HUMAN
NCBI Protein Information	interleukin-23 receptor
NCBI Summary for IL23R	The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner. [provided by RefSeq, Jul 2008]
UniProt Comments for IL23R	IL23R: Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis. Genetic variations in IL23R are associated with inflammatory bowel disease type 17 (IBD17). IBD17 is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Genetic variations in IL23R are a cause of susceptibility to psoriasis type 7 (PSORS7). Psoriasis is a common, chronic inflammatory disease of the skin with multifactorial etiology. It is characterized by red, scaly plaques usually found on the scalp, elbows and knees. These lesions are caused by abnormal keratinocyte proliferation and infiltration of inflammatory cells into the dermis and epidermis. Belongs to the type I cytokine receptor family. Type 2 subfamily. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1p31.3 Cellular Component: plasma membrane; receptor complex Molecular Function: interleukin-12 receptor binding; interleukin-23 binding; interleukin-23 receptor activity; protein binding Biological Process: defense response to Gram-negative bacterium; negative regulation of interleukin-10 production; positive regulation of activated T cell proliferation; positive regulation of defense response to virus by host; positive regulation of granulocyte macrophage colony-stimulating factor production; positive regulation of interferon-gamma production; positive regulation of interleukin-12 production; positive regulation of interleukin-17 production; positive regulation of memory T cell differentiation; positive regulation of natural killer cell proliferation; positive regulation of NK T cell activation; positive regulation of osteoclast differentiation; positive regulation of T cell mediated cytotoxicity; positive regulation of T cell proliferation; positive regulation of T-helper 1 type immune response; positive regulation of tyrosine phosphorylation of Stat3 protein; positive regulation of tyrosine phosphorylation of Stat4 protein; positive regulation of tyrosine phosphorylation of Stat5 protein; regulation of tyrosine phosphorylation of Stat1 protein; response to lipopolysaccharide Disease: Inflammatory Bowel Disease 17; Psoriasis 7, Susceptibility To
Research Articles on IL23R	**1.** The results of the current study disclosers1343151 variant of IL23R as a susceptibility gene in CD.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/il23r/9222188