IL23R Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL23R, Polyclonal Antibody
Full Product Name	IL23R, CT (IL23R, Interleukin-23 receptor) (MaxLight 750)
Product Gene Name	anti-IL23R antibody
Product Synonym Names	IL23R; Interleukin-23 receptor
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	25,551 Da
OMIM	gene 612261
3D Structure	ModBase 3D Structure for Q5VWK5
Immunogen	IL23R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 427-457 amino acids from the C-terminal region of human IL23R.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-IL23R antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL23R antibody	Western Blot (WB), FLISA
Application Notes for anti-IL23R antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL23R antibody	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.
Product References and Citations for anti-IL23R antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Chen, J., et al. Mol. Carcinog. 49(10):862-868(2010). Mizuki, N., et al. Nat. Genet. 42(8):703-706(2010). Remmers, E.F., et al. Nat. Genet. 42(8):698-702(2010). Elmaagacli, A.H., et al. Bone Marrow Transplant. (2010).
Other Notes	Small volumes of anti-IL23R antibody 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	MBS6310122 is an antibody targeting IL23R. Also known as IL23R, CT (IL23R, Interleukin-23 receptor) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	24430212
NCBI GeneID	149233
NCBI Accession #	NP_653302.2
UniProt Primary Accession #	Q5VWK5
UniProt Secondary Accession #	Q4VGP1; Q4VGP2; Q4VGP3; Q4VGP4; Q4VGP5; Q4VGP6; Q5VWK7; Q8IW84; Q8NFQ9; Q96AS1; C9JGX4
UniProt Related Accession #	Q5VWK5
GenBank Nucleotide #	NM_144701.2
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

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: receptor complex Molecular Function: interleukin-23 binding; interleukin-23 receptor activity; interleukin-12 receptor binding Biological Process: positive regulation of memory T cell differentiation; positive regulation of interleukin-17 production; positive regulation of granulocyte macrophage colony-stimulating factor production; positive regulation of NK T cell activation; positive regulation of natural killer cell proliferation; negative regulation of interleukin-10 production; positive regulation of T-helper 1 type immune response; positive regulation of osteoclast differentiation; positive regulation of interleukin-12 production; positive regulation of T cell mediated cytotoxicity; positive regulation of tyrosine phosphorylation of Stat4 protein; response to lipopolysaccharide; positive regulation of activated T cell proliferation; defense response to Gram-negative bacterium; regulation of tyrosine phosphorylation of Stat1 protein; positive regulation of tyrosine phosphorylation of Stat3 protein; positive regulation of interferon-gamma production; positive regulation of tyrosine phosphorylation of Stat5 protein; positive regulation of T cell proliferation; positive regulation of defense response to virus by host; inflammatory response Disease: Inflammatory Bowel Disease 17; Psoriasis 7, Susceptibility To
Research Articles on IL23R	**1.** The interleukin-23 receptor gene polymorphism may not contribute to the susceptibility of development of primary immune thrombocytopenia in Egyptian children.
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