IL 11 Antibody

PRODUCT OVERVIEW

Product Name	IL 11, Antibody
Full Product Name	IL 11 Antibody
Product Gene Name	anti-IL 11 antibody
Product Synonym Names	Interleukin-11; IL-11; Adipogenesis inhibitory factor; AGIF; Oprelvekin; IL11
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Immunogen affinity purified
Specificity	IL 11 Antibody detects endogenous levels of total IL 11
Preparation and Storage	Store at-20 degree C for 1 year
Molecular Weight	12,994 Da
OMIM	147681
3D Structure	ModBase 3D Structure for P20809
Immunogen	A synthesized peptide derived from human IL 11
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IL 11 antibody	Immunohistochemistry (IHC)
Application Notes for anti-IL 11 antibody	IHC: 1:50-1:200
Related Product Information for anti-IL 11 antibody	Directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production.
Other Notes	Small volumes of anti-IL 11 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 IL 11 purchase	MBS8511842 is an antibody targeting IL 11. Also known as IL 11 Antibody. Reactive in Human, Mouse, Rat.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL 11. It may not necessarily be applicable to this product.

NCBI GI #	10834994
NCBI GeneID	3589
NCBI Accession #	NP_000632.1
UniProt Primary Accession #	P20809
UniProt Secondary Accession #	Q96EB4; B4DQV5
UniProt Related Accession #	P20809
GenBank Nucleotide #	NM_000641.3

NCBI Official Full Name	interleukin-11 isoform 1
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	AGIF; IL-11
UniProt Protein Name	Interleukin-11
UniProt Synonym Protein Names	Adipogenesis inhibitory factor
UniProt Gene Name	IL11
UniProt Synonym Gene Names	AGIF
NCBI Protein Information	interleukin-11
NCBI Summary for IL 11	The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2012]
UniProt Comments for IL 11	Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:2145578). Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation (PubMed:12919066). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3.
Research Articles on IL 11	**1.** results reveal a central role of IL-11 in fibrosis and we propose that inhibition of IL-11 is a potential therapeutic strategy to treat fibrotic diseases
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