IL15 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IL15, Monoclonal Antibody
Full Product Name	IL15 (Interleukin 15, IL-15, MGC9721) (MaxLight 750)
Product Gene Name	anti-IL15 antibody
Product Synonym Names	Interleukin 15; IL-15; MGC9721
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1H8
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes IL15.
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 amo to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of proc centrifuge the original vial prior to removing the cap.
Molecular Weight	18 kDa
OMIM	600554
3D Structure	ModBase 3D Structure for P40933
Immunogen	IL15 (NP_000576, 49aa-162aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NWVNVISDLKKIEDLIQSMHIDATLYTESDVHPSCKVTAMKCFLLELQVISLESGDASIHDTVENLIILANNSLSSNGNVTESGCKECEELEEKNIKEFLQSFV
Conjugate	MaxLight750
Product Categories/Family for anti-IL15 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL15 antibody	FLISA, Immunofluorescence (IF)
Application Notes for anti-IL15 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-IL15 antibody	The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively reg other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the acti kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart sugges cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus apoptosis. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported. [provided by RefSeq]
Other Notes	Small volumes of anti-IL15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar 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 may apply.
Searchable Terms for IL15 purchase	MBS6238895 is an antibody targeting IL15. Also known as IL15 (Interleukin 15, IL-15, MGC9721) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL15. It may not necessarily be applicable to this product.

NCBI GI #	10835153
NCBI GeneID	3600
NCBI Accession #	NP_000576
UniProt Primary Accession #	P40933
UniProt Secondary Accession #	O00440; O43512; Q495Z8; Q6FGX7; Q93058; Q9UBA3; D3DNZ2
UniProt Related Accession #	P40933
GenBank Nucleotide #	NM_000585.4
NCBI Official Full Name	interleukin-15 isoform 1 preproprotein
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
UniProt Protein Name	Interleukin-15
Protein Family	Interleukin
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_HUMAN
NCBI Protein Information	interleukin-15
NCBI Summary for IL15	The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Alternatively spliced transcript variants of this gene have been reported. [provided by RefSeq, Feb 2011]
Research Articles on IL15	**1.** we have identified IL-15 receptors on the surface of cardiomyocytes and delineated the signaling system by which hypoxic cardiomyocytes may be protected from cellular death and rescued from oxidative stress with IL-15 treatment

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/monoclonal-antibody/il15/6238895