IL15 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IL15, Monoclonal Antibody
Full Product Name	IL15 (Interleukin 15, IL-15, MGC9721) (MaxLight 490)
Product Gene Name	anti-IL15 antibody
Product Synonym Names	Interleukin 15; IL-15; MGC9721
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2H7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
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: MaxLight490 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	MaxLight490
Product Categories/Family for anti-IL15 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL15 antibody	FLISA
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	MBS6206874 is an antibody targeting IL15. Also known as IL15 (Interleukin 15, IL-15, MGC9721) (MaxLight 490). 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

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