Mouse Interleukin-15 (IL-15) Monoclonal Antibody | anti-IL-15 antibody

Mouse Monoclonal Antibody to Human Interleukin-15 (IL-15)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77972	**Mouse**	**Human, others not tested**	**ELISA**

PRODUCT SYNONYMS

Interleukin-15 (IL-15); Monoclonal Antibody; Mouse Monoclonal Antibody to Human Interleukin-15 (IL-15); Mouse Monoclonal Antibody to Human IL-15; Clone 5E8; anti-IL-15 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, others not tested
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	5E8
Specificity	Reactive with recombinant human IL-15.
Purity/Purification	Protein G Affinity Purified
Form/Format	Lyophilized from a solution in 0.01M PBS, pH 7.0
Sequence Length	162
Applicable Applications for anti-IL-15 antibody	ELISA
Immunogen	Purified recombinant human IL-15
Target protein	Human IL-15
Fusion Myeloma	SP2/0
Reconstitution	Double distilled water is recommended to reconstitute the antibody to 1mg/mL.
Product Type	Primary antibody, capture antibody in matched antibody pair
Research Area	Cytokine. Inflammatory diseases
Preparation and Storage	Store at -20°C

ADDITIONAL INFORMATION

Related Product Information for anti-IL-15 antibody	Interleukin (IL)-15 is an inflammatory cytokine that can induce tumor-necrosis factor-alpha, IL-1beta and inflammatory chemokines. It acts on T cells and natural killer cells through receptors on these cells. IL-15 and IL-2 share common receptor beta and gamma units (IL-15/IL-2Rbetagammac) and thus some overlapping functions in stimulating T-cell proliferation and cytokine secretion. However, both cytokines have its own specific receptor alpha (IL-15Ralpha or IL-2Ralpha) that links to distinct signaling pathways. For example, IL-15 can inhibit self-tolerance mediated by IL-2 mediated activation-induced T cell death, and promote CD8+ memory T-cell survival. Increased IL-15 expression has been reported in patients with psoriasis and other inflammatory autoimmune diseases. IL-15 exists as soluble form, as well as membrane-bound form in which it could be directly bound to the cellular membrane or presented by IL-15Ralpha receptor. The main mechanism of IL-15 signaling is trans-presentation which is initiated by IL-15 binding to IL-15Ralpha. The IL-15/IL-15Ralpha complex subsequently presents IL-15 to surrounding cells bearing IL-15Rbetagammac complex on their cell surface. Recent research showed that combined activation with IL-12, IL-15, and IL-18 can induce memory-like natural killer (NK) cells that live longer and exhibit enhanced functionality when they encounter a secondary stimulation. The progress has led to increased interest in using IL-15 for cancer therapy.
Product Categories/Family for anti-IL-15 antibody	Matched Antibody Pairs to Human Cytokines and Growth Factors; Cytokine; Inflammatory; Auto-immune Responses

NCBI AND UNIPROT INFORMATION

NCBI GI #	6981092
NCBI GeneID	25670
NCBI GenBank Nucleotide #	NP_037261.1
UniProt Accession #	P97604
NCBI Official Full Name	interleukin-15
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	Il15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	**Il15**
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/interleukin-15-il-15-antibody-clone-5e8-elisa/77972