

Human IL-15 ELISA Kit | IL-15 elisa kit

Human IL-15 ELISA KIT

CATALOG #
AAA309879

REACTIVITY
Human

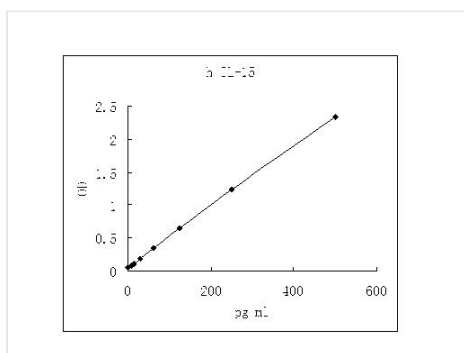
PRODUCT SYNONYMS

IL-15; Human IL-15 ELISA KIT; Human IL-15; IL-15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL-15 Ligand
Assay Type	Solid Phase Sandwich ELISA
Samples	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin)
Detection Range	7.8-500pg/mL
Sensitivity	4pg/mL
Assay Time	3 hours
Sample Volume	20 uL
Detection Method	Colorimetric
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

Representative standard curve for IL-15 ELISA. IL-15 was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

Related Product Information for IL-15 elisa kit	Interleukin 15 (IL-15) is a 14 kDa cytokine that is structurally and functionally related to IL- 2 (1-3). Mature human IL-15 shares 70% amino acid sequence identity with mouse and rat IL-15. Alternate splicing generates isoforms of IL-15 with either a long or short signal peptide (LSP or SSP), and the SSP isoform is retained intracellularly (4). IL-15 associates with IL-15 Ra in the endoplasmic reticulum, and this complex is expressed on the cell surface (5, 6). The dominant mechanism of IL-15 action is known as transpresentation in which IL-15 and IL-15 Ra are coordinately expressed on the surface of one cell and interact with complexes of IL-2 Rb/gc on adjacent cells (7). This enables cells to respond to IL-15 even if they do not express IL-15 Ra (6, 8). Consistent with its shared use of IL-2 receptor subunits, IL-15 induces IL-2-like effects in lymphocyte development and homeostasis (3). It is particularly important for the maintenance and activation of NK cells and CD8+ memory T cells (3). IL-15 also exerts pleiotropic effects on other hematopoietic cells and nonimmune cells (2). Ligation of membraneassociated IL-15/IL-15Ra complexes induces reverse signaling that promotes cellular adhesion, tyrosine phosphorylation of intracellular proteins, and cytokine secretion by the IL-15/IL-15Ra expressing cells (9, 10).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56181481
NCBI GeneID	397683
Molecular Weight	18,437 Da
NCBI Official Full Name	IL-15, partial
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15

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.