

Mouse IL15RA ELISA Kit | IL15RA elisa kit

Mouse IL15RA PicoKine ELISA Kit

CATALOG #
AAA45823

REACTIVITY
Mouse

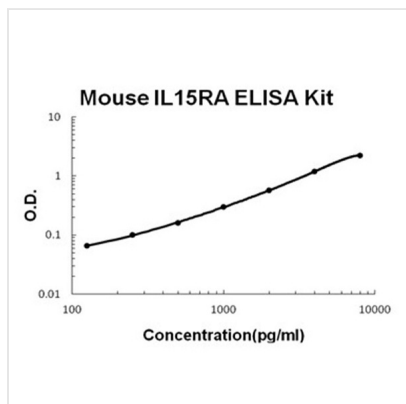
PRODUCT SYNONYMS

IL15RA; Mouse IL15RA PicoKine ELISA Kit; Interleukin-15 receptor subunit alpha; interleukin 15 receptor; alpha; AA690181; CD215; I15RA_HUMAN; IL 15R alpha; IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; Interleukin 15 receptor alpha; Interleukin 15 receptor subunit alpha; MGC104179; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA; Soluble interleukin 15 receptor subunit alpha; Soluble interleukin-15 receptor subunit alpha; IL15RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL15RA
Sequence Length	263
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	125pg/ml-8000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse IL15RA PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL15RA elisa kit	Principle of the assay: mouse IL15RA ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. Monoclonal antibody from rat specific for IL15RA has been precoated onto 96-well plates. Standards(NSO, G33-K205) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL15RA is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse IL15RA amount of sample captured in plate. Background: Interleukin 15 receptor, alpha subunit is a subunit of the interleukin 15 receptor which is encoded by the gene IL15RA in humans. The human IL15RA gene was mapped to chromosome 10p15-p14 by FISH and the mouse Il15ra gene was mapped to chromosome 2. The cytoplasmic domain of IL15R-alpha, like that of IL2R-alpha, was dispensable for mitogenic signaling, suggesting that the primary role of the alpha chains is to confer high-affinity binding. At high concentrations, IL15, like IL2, was able to signal through a complex of IL2R-beta and -gamma in the absence of the alpha subunit. The soluble receptor displayed high affinity for IL15 and inhibited both binding of IL15 to the membrane receptor and IL15-induced cell proliferation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59799764
NCBI GeneID	16169
UniProt Accession #	Q60819; Q80Z90; Q80Z91; Q80Z92; Q8R5E4; A2AP35; A2AP36; A2AP37
Molecular Weight	16,929 Da
NCBI Official Full Name	Interleukin-15 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 15 receptor, alpha chain
NCBI Official Symbol	Il15ra
NCBI Official Synonym Symbols	IL-15RA; AA690181
NCBI Protein Information	interleukin-15 receptor subunit alpha; IL-15R-alpha; IL-15 receptor subunit alpha
UniProt Protein Name	Interleukin-15 receptor subunit alpha
UniProt Gene Name	Il15ra
UniProt Synonym Gene Names	IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA
UniProt Entry Name	I15RA_MOUSE

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.