

Human HS-IL-15 (High sensitive Interleukin 15) ELISA Kit | IL-15 elisa kit

Human HS-IL-15 (High sensitive Interleukin 15) Accquant ELISA Kit

CATALOG #
AAA249543

REACTIVITY
Human

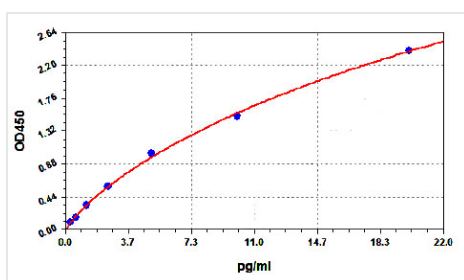
PRODUCT SYNONYMS

HS-IL-15 (High sensitive Interleukin 15); Human HS-IL-15 (High sensitive Interleukin 15) Accquant ELISA Kit; IL-15; IL15; Interleukin 15; IL-15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL-15. No significant cross-reactivity or interference between IL-15 and analogues were observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.31-20pg/ml
Sensitivity	0.875pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-15 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin (HRP-SA) and Biotin System (BS) was added and unbound conjugates were washed away with wash buffer. Then by twice signal amplification, TMB substrates were 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated. Background/Introduction: IL-15 (Interleukin 15) is a cytokine that induces or enhances the differentiation, maintenance, or activation of multiple T cell subsets including NK, NKT, Th17, Treg, and CD8+ memory cells. It also induces dendritic cell differentiation and inflammatory activation, exhibits anti-tumor activity, and inhibits the deposition of lipid in adipocytes. Complexes of IL-15 with cell surface IL-15 R alpha interact with complexes of IL-2 R beta and the Common gamma Chain on adjacent cells. This transpresentation mechanism enables cells to respond to IL-15 even if they do not express IL-15 R alpha. Ligation of membrane-associated IL-15/IL-15 R alpha complexes also induces reverse signaling that promotes activation of the IL-15/IL-15 R alpha expressing cells. The activity of circulating IL-15 is limited by its association with soluble IL-15 R alpha.
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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://www.aaabiotech.com/human-elisa-kits/hs-il-15-high-sensitive-interleukin-15/249543>