

Human IL-7 ELISA Kit | IL7 elisa kit

Human IL-7 PicoKine ELISA Kit

CATALOG #
AAA45318

REACTIVITY
Human

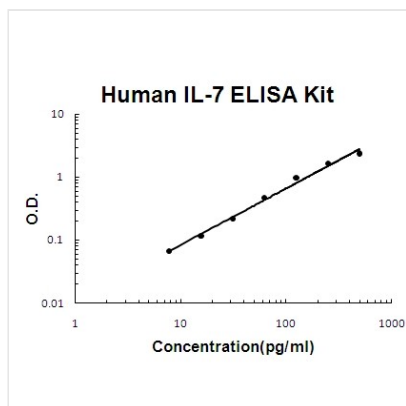
PRODUCT SYNONYMS

IL-7; Human IL-7 PicoKine ELISA Kit; Interleukin-7; interleukin 7; IL 7; IL7 nirs variant 6; Interleukin 7; Interleukin7; IL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-7
Sequence Length	177
Samples	Cell culture supernates, serum and plasma (EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 1pg/ml
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)

Human IL-7 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL7 elisa kit	Principle of the assay: human IL-7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-7 has been precoated onto 96-well plates. Standards(E.coli, D26-H177) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-7 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 human IL-7 amount of sample captured in plate. Background: IL-7 a hematopoietic growth factor secreted by stromal cells in the red marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and endothelial cells4. Interleukin 7 (IL7) is a protein5 that inhumans is encoded by the IL7 gene.Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. IL-7 is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3574
UniProt Accession #	A8K673; P13232
Molecular Weight	20,217 Da
NCBI Official Synonym Full Names	interleukin 7
NCBI Official Symbol	IL7
NCBI Official Synonym Symbols	IL-7
NCBI Protein Information	interleukin-7
UniProt Protein Name	cDNA FLJ75417, highly similar to Homo sapiens interleukin 7, mRNA
UniProt Entry Name	A8K673_HUMAN

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/il7-human-elisa-kits/il-7/45318>