Human IL-3 ELISA Kit | IL3 elisa kit

Human IL-3 PicoKine ELISA Kit

CATALOG #	REACTIVITY
AAA45205	**Human**

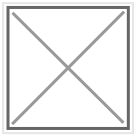
PRODUCT SYNONYMS

IL-3; Human IL-3 PicoKine ELISA Kit; Interleukin-3; interleukin 3; Burst promoting activity; Colony stimulating factor multiple; Eosinophil colony stimulating factor; Hematopoietic growth factor; IL 3; IL3; IL3_HUMAN; Interleukin 3; Mast cell growth factor; MCGF; Multi CSF; Multilineage colony stimulating factor; Multipotential colony stimulating factor; Multipotential colony-stimulating factor; P cell stimulating factor; P-cell-stimulating factor; Thy1 inducing factor; IL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IL-3
Sequence Length	152
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
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-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL3 elisa kit	**Principle of the assay:** human IL-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-3 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-3 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-3 amount of sample captured in plate. **Background:** The gene IL-3 encodes interleukin 3, a hematopoietic colony-stimulating factor (CSF) that is capable of supporting the proliferation of a broad range of hematopoietic cell types.1 Interleukin-3 (IL-3), a protein of 140 amino acids, ischemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3.2 The cDNA sequence for murine interleukin-3, one of the colony stimulating factors thatregulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide.3 Themouse IL 3 gene is located on chromosome 11.4 The human gene encoding IL 3 is tandemly arrayed on the longarm of chromosome 5.5 The standard product used in this kit is recombinant human IL-3, consisting of 133 aminoacids with the molecular mass of 15KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124330
NCBI GeneID	3562
UniProt Accession #	P08700; Q6GS87
Molecular Weight	17,233 Da
NCBI Official Full Name	Interleukin-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	IL-3; MCGF; MULTI-CSF
NCBI Protein Information	interleukin-3; mast cell growth factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; hematopoietic growth factor; colony-stimulating factor, multiple; multilineage-colony-stimulating factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	**IL3**
UniProt Synonym Gene Names	IL-3; MCGF
UniProt Entry Name	IL3_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/il3-human-elisa-kits/il-3/45205