

Human IL-3 ELISA Kit | IL-3 elisa kit

IL-3 Human ELISA Kit

CATALOG # AAA58979	REACTIVITY Human	APPLICATIONS ELISA
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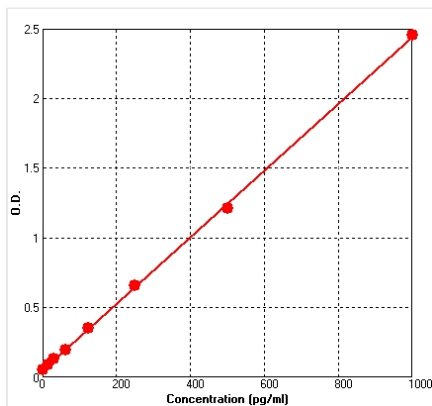
PRODUCT SYNONYMS

IL-3; IL-3 Human ELISA Kit; Human IL-3; IL-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 1 pg/ml
Applicable Applications for IL-3 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-3 elisa kit	Principle of the assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-3 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-IL-3 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. 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 IL-3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-3 can be calculated. Background: Interleukin 3 (IL-3) is a hematopoietic colony-stimulating factor that is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is chemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. It is secreted by basophils and activated T cells to support growth and differentiation of T cells from the bone marrow in an immune response. It can improve the body's natural response to disease as part of the immune system. It acts by binding to the interleukin-3 receptor. IL3 infusion expands an early cell population that subsequently requires the action of a later-acting factor such as GM-CSF to complete its development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3002475
NCBI GeneID	3562
UniProt Accession #	P08700; Q6GS87
Molecular Weight	17,233 Da
NCBI Official Full Name	IL-3
NCBI Official Synonym Full Names	interleukin 3 (colony-stimulating factor, multiple)
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; 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/human-elisa-kits/il-3/58979>