

Rat IL-3 ELISA Kit | IL3 elisa kit

Rat IL-3 ELISA Kit

CATALOG # AAA261679	REACTIVITY Rat	APPLICATIONS ELISA
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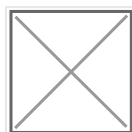
PRODUCT SYNONYMS

IL-3; Rat IL-3 ELISA Kit; Interleukin-3; Hematopoietic growth factor; Mast cell growth factor; MCGF; Multipotential colony-stimulating factor; P-cell-stimulating factor; IL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat IL-3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat IL-3 proteins within the range of 7.8 pg/ml - 500 pg/ml.
Sequence Length	166
Samples	Cell Culture Supernatants, Serum.
Sensitivity	10 pg/ml.
Applicable Applications for IL3 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL3 elisa kit

Principle of the Assay||The Rat IL-3 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat IL-3 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Rat IL-3 coated on a 96-well plate. Standards and samples are pipetted into the wells and IL-3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat IL-3 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IL-3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: 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. Interleukin-3 (IL-3), a protein of 140 amino acids, is chemically synthesized by means of an automated peptide synthesizer and is shown to have the biological activities attributed to native IL-3. The cDNA sequence for murine interleukin-3, one of the colony stimulating factors that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide. The mouse IL 3 gene is located on chromosome 11. The human gene encoding IL 3 is tandemly arrayed on the long arm of chromosome 5.5 The standard product used in this kit is recombinant human IL-3, consisting of 133 amino acids with the molecular mass of 15KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124334
NCBI GeneID	24495
UniProt Accession #	P04823; P70513
Molecular Weight	18,631 Da
NCBI Official Full Name	Interleukin-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Protein Information	interleukin-3
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	IL-3; IL-3; MCGF
UniProt Entry Name	IL3_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/il3-rat-elisa-kits/il-3/261679>