

Mouse IL-3 ELISA Kit | IL3 elisa kit

Mouse IL-3 PicoKine ELISA Kit

CATALOG #
AAA45313

REACTIVITY
Mouse

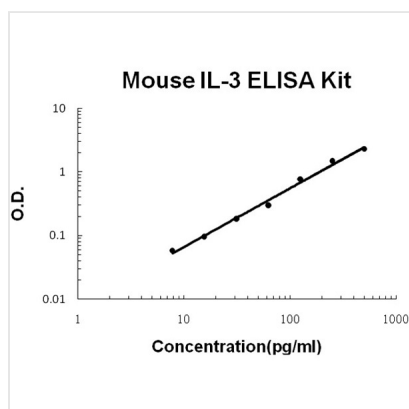
PRODUCT SYNONYMS

IL-3; Mouse 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	Mouse
Specificity	Natural and recombinant mouse IL-3
Sequence Length	166
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	7.8pg/ml-500pg/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)

Mouse IL-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL3 elisa kit	Principle of the assay: mouse IL-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat 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 mouse 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, is chemically 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 that regulate haematopoiesis, codes for a polypeptide of 166 amino acids including a putative signal peptide.³ The mouse IL 3 gene is located on chromosome 11.⁴ 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 mouse IL-3, consisting of 135 amino acids with the molecular mass of 15KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124333
NCBI GeneID	16187
UniProt Accession #	P01586
Molecular Weight	18,540 Da
NCBI Official Full Name	Interleukin-3
NCBI Official Synonym Full Names	interleukin 3
NCBI Official Symbol	IL3
NCBI Official Synonym Symbols	BPA; PSF; HCGF; IL-3; MCGF; Csfmu
NCBI Protein Information	interleukin-3; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor
UniProt Protein Name	Interleukin-3
UniProt Gene Name	IL3
UniProt Synonym Gene Names	Csfmu; IL-3; IL-3; MCGF
UniProt Entry Name	IL3_MOUSE

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.