

Mouse IL-4 ELISA Kit | IL4 elisa kit

Mouse IL-4 PicoKine ELISA Kit

CATALOG #
AAA45246

REACTIVITY
Mouse

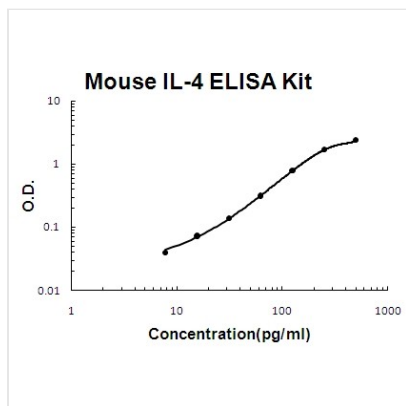
PRODUCT SYNONYMS

IL-4; Mouse IL-4 PicoKine ELISA Kit; Interleukin-4; interleukin 4; B cell growth factor 1; B cell stimulatory factor 1; BCGF 1; BCGF1; Binetrakin; BSF 1; BSF1; IL 4; Interleukin 4; Lymphocyte stimulatory factor 1; MGC79402; Pittrakina; IL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse IL-4
Sequence Length	140
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-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL4 elisa kit	Principle of the assay: mouse IL-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for IL-4 has been precoated onto 96-well plates. Standards(E.coli,H21-S140) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IL-4 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-4 amount of sample captured in plate. Background: Interleukin-4 (IL-4), also known as a B-cell stimulatory factor1 (BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells.¹ The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. IL-4 may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis.¹ The mouse and human genes and their protein products show structural and functional similarities. The human IL-4 gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124338
NCBI GeneID	16189
UniProt Accession #	P07750
Molecular Weight	15,834 Da
NCBI Official Full Name	Interleukin-4
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	IL-4; BSF-1
NCBI Protein Information	interleukin-4; IGG1 induction factor; B-cell growth factor 1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1; B-cell IgG differentiation factor
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; IL-4; BSF-1
UniProt Entry Name	IL4_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.

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Online datasheet: <https://stage.aaabiotech.com/il4-mouse-elisa-kits/il-4/45246>