

Rat IL-4 ELISA Kit | IL4 elisa kit

Rat IL-4 PicoKine ELISA Kit

CATALOG #
AAA45347

REACTIVITY
Rat

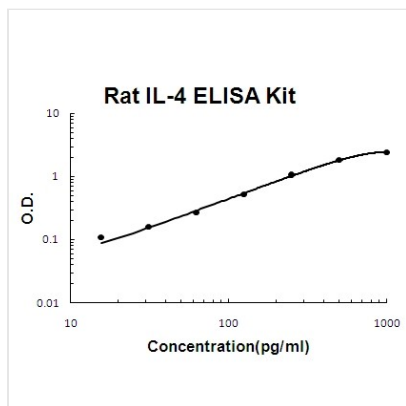
PRODUCT SYNONYMS

IL-4; Rat 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	Rat
Specificity	Natural and recombinant rat IL-4
Sequence Length	147
Samples	Cell culture supernates and serum
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)

Rat IL-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL4 elisa kit	Principle of the assay: rat IL-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IL-4 has been precoated onto 96-well plates. Standards(E.coli,C25-S147) 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 rat 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 Rat IL-4 is a 13.5KDa glycoprotein, consisting of 147 amino acids in precursor form and 123 amino acids in mature form.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124339
NCBI GeneID	287287
UniProt Accession #	P20096
Molecular Weight	16,247 Da
NCBI Official Full Name	Interleukin-4
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	IL4e12
NCBI Protein Information	interleukin-4; IL-4; BSF-1; 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_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.

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Online datasheet: <https://stage.aaabiotech.com/il4-rat-elisa-kits/il-4/45347>