

Rat IL-4 ELISA Kit | IL-4 elisa kit

Rat IL-4 Pre-Coated ELISA Kit

CATALOG #
AAA79395

REACTIVITY
Rat

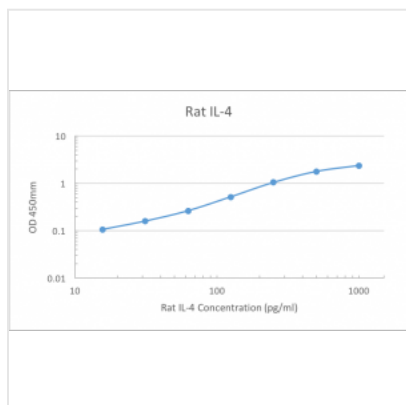
PRODUCT SYNONYMS

IL-4; Rat IL-4 Pre-Coated ELISA Kit; IL-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat IL-4
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<1pg/ml
Components	Anti-Rat IL-4 Pre-coated 96-well strip microplate Rat IL-4 Standard Rat IL-4 Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Preparation and Storage	Store the unopened product at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-4 elisa kit	IL-4 is a pleiotropic cytokine that regulates diverse T and B cell responses including cell proliferation, survival and gene expression. Produced by mast cells, T cells and bone marrow stromal cells, IL-4 regulates the differentiation of naive CD4+ T cells into helper Th2 cells, characterized by their cytokine-secretion profile that includes secretion of IL-4, IL-5, IL-6, IL-10, and IL-13, which favor a humoral immune response. Another dominant function of IL-4 is the regulation of immunoglobulin class switching to the IgG1 and IgE isotypes. Excessive IL-4 production by Th2 cells has been associated with elevated IgE production and allergy. Rat IL-4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure IL-4 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for IL-4. It contains E Coli-expressed recombinant IL-4. The detection antibody is a biotinylated goat polyclonal antibody specific for IL-4. The kit is analytically validated with ready to use reagents.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42627877
NCBI GeneID	287287
NCBI Accession #	NP_958427.1
NCBI GenBank Nucleotide #	NM_201270.1
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; B-cell IGG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; BSF-1; IL-4; lymphocyte stimulatory factor 1
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.