

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

Human IL-4 ELISA Kit

CATALOG # AAA332544	REACTIVITY Human	APPLICATIONS ELISA
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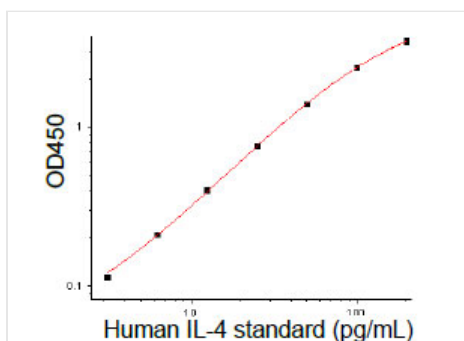
PRODUCT SYNONYMS

IL-4; Human IL-4 ELISA Kit; IL 4; IL4; BCGF-1; BCGF1; BSF1; MGC79402; B cell growth factor 1; B_cell stimulatory factor 1; lymphocyte stimulatory factor 1; IL-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human IL-4 ELISA Kit has high sensitivity and excellent specificity for detection of Human IL-4. No significant cross-reactivity or interference between Human IL-4 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	3.125 pg/mL-200 pg/mL
Sensitivity	1.5 pg/mL
Applicable Applications for IL-4 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-4 elisa kit	Principle of the Assay: IL-4 is a 129 amino acids long secreted protein. IL-4 is a cytokine produced mostly by activated T lymphocytes, mast cells and basophils. It has variety of immune response modulating functions by acting on number of cell types. IL-4 participates in several B-cell activation processes. Human IL-4 ELISA Kit employs a double antibody sandwich method to quantitate Human IL-4 in samples. An antibody specific for Human IL-4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human IL-4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human IL-4 is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The Human IL-4 concentration is proportional to the OD450 nm value.
Product Categories/Family for IL-4 elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504669
NCBI GeneID	3565
NCBI Accession #	NP_000580.1
NCBI GenBank Nucleotide #	NM_000589.3
UniProt Accession #	P05112; Q14630
Molecular Weight	17,492 Da
NCBI Official Full Name	interleukin-4 isoform 1
NCBI Official Synonym Full Names	interleukin 4
NCBI Official Symbol	IL4
NCBI Official Synonym Symbols	BSF1; IL-4; BCGF1; BSF-1; BCGF-1
NCBI Protein Information	interleukin-4; binetrakin; pitrakinra; B cell growth factor 1; B_cell stimulatory factor 1; lymphocyte stimulatory factor 1
UniProt Protein Name	Interleukin-4
UniProt Gene Name	IL4
UniProt Synonym Gene Names	IL-4; BSF-1
UniProt Entry Name	IL4_HUMAN

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/human-elisa-kits/il-4/332544>