

Rat IL-10 ELISA Kit | IL-10 elisa kit

Rat IL-10 PicoKine Quick ELISA Kit

CATALOG # AAA128053	REACTIVITY Rat	APPLICATIONS ELISA
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PRODUCT SYNONYMS

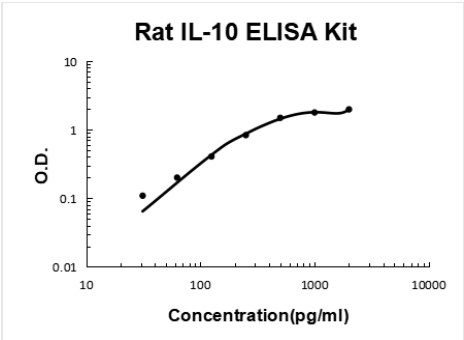
IL-10; Rat IL-10 PicoKine Quick ELISA Kit; Interleukin-10; Cytokine synthesis inhibitory factor; CSIF; Il10; Il-10; IL-10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	cell culture supernatants, serum and plasma (EDTA)
Assay Range	31.2pg/ml-2,000pg/ml
Sensitivity	<4pg/ml
Capture antibody and Detection antibody	monoclonal antibody from mouse polyclonal antibody from goat
Immunogen	Expression system for standard: E coli; Immunogen sequence: S19-N178
Anticoagulant	EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for IL-10 elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration (pg/ml)031.262.512525050010002000O.D.0.0590.1680.2590.4660.8931.5501.8432.039
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n161616242424Mean (pg/ml)5521383951222910Standard deviation4.349.5836.074.7412.2139.13CV (%)7.9%4.5%4.3%9.3%5.5%4.3%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 155585749543.496.4%Sample 22132192322252227.043.1%Sample 383990192582687241.394.7%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months. (Ships with gel ice, can store for up to 3 days in room temperature. Refrigerate upon receipt.)

IMAGES



Standard Curve (Sample)
Rat IL-10 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL-10 elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for IL-10 elisa kit	Quick ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747382
NCBI GeneID	25325
NCBI Accession #	NP_036986.2
NCBI GenBank Nucleotide #	NM_012854.2
UniProt Accession #	P29456; Q63263
Molecular Weight	20,426 Da
NCBI Official Full Name	interleukin-10
NCBI Official Synonym Full Names	interleukin 10
NCBI Official Symbol	IL10
NCBI Official Synonym Symbols	IL10X
NCBI Protein Information	interleukin-10; CSIF; IL-10; cytokine synthesis inhibitory factor
UniProt Protein Name	Interleukin-10
UniProt Gene Name	IL10
UniProt Synonym Gene Names	IL-10; IL-10; CSIF
UniProt Entry Name	IL10_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://www.aaabiotech.com/rat-elisa-kits/il-10/128053>