

Rat CD25/IL2RA ELISA Kit | CD25/IL2RA elisa kit

Rat CD25/IL2RA ELISA Kit PicoKine

CATALOG # AAA128022	REACTIVITY Rat	APPLICATIONS ELISA
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PRODUCT SYNONYMS

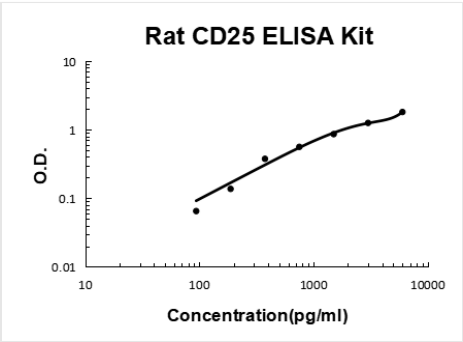
CD25/IL2RA; Rat CD25/IL2RA ELISA Kit PicoKine; CD25/IL2RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	93.7pg/ml-6,000pg/ml
Sensitivity	<45pg/ml
Capture antibody and Detection antibody	polyclonal antibody from goat polyclonal antibody from goat
Immunogen	Expression system for standard: CHO; Immunogen sequence: E22-Q235
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for CD25/IL2RA 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)093.7187.53757501,5003,0006,000O.D.0.0190.0840.1560.3950.5810.8811.2751.831
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay PrecisionSample123123n1616162424Mean(pg/ml)11430622331553162793Standard deviation6.6815.6764.0910.3722.03161.99CV(%)5.9%5.1%2.9%6.7%7%5.8%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 11141541671391444.693.3%Sample 230624325720325219.557.8%Sample 322332818245624882499151.676.1%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Rat CD25 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD25/IL2RA 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 CD25/IL2RA elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	7710038
NCBI GeneID	25704
NCBI Accession #	NP_037295.1
NCBI GenBank Nucleotide #	NM_013163.1
UniProt Accession #	P26897
Molecular Weight	30,557 Da
NCBI Official Full Name	interleukin-2 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 2 receptor, alpha
NCBI Official Symbol	IL2ra
NCBI Official Synonym Symbols	IL2RAC
NCBI Protein Information	interleukin-2 receptor subunit alpha; IL-2 receptor alpha subunit; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; interleukin 2 receptor, alpha chain; interleukin-2 receptor alpha chain
UniProt Protein Name	Interleukin-2 receptor subunit alpha
UniProt Gene Name	IL2ra
UniProt Synonym Gene Names	IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_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/rat-elisa-kits/cd25-il2ra/128022>