

Human CD25/IL-2sR alpha ELISA Kit | IL2RA elisa kit

Human CD25/IL-2sR alpha PicoKine ELISA Kit

CATALOG #
AAA45575

REACTIVITY
Human

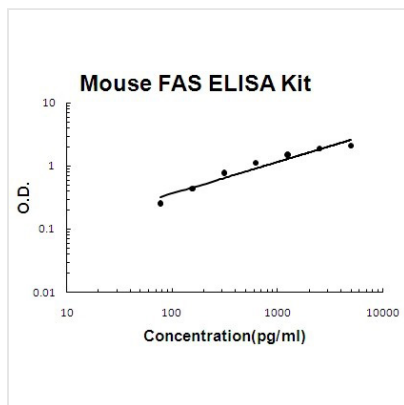
PRODUCT SYNONYMS

CD25/IL-2sR alpha; Human CD25/IL-2sR alpha PicoKine ELISA Kit; Interleukin-2 receptor subunit alpha; interleukin 2 receptor; alpha; CD122; CD122 antigen; CD132; CD132 antigen; CD25; CD25 antigen; Cytokine receptor common gamma chain; Gamma C; High affinity IL 2 receptor subunit beta; IDDM10; IL 2 RA; IL 2 receptor; IL 2 receptor alpha subunit; IL 2R gamma chain; IL2 RA; IL2R; IL2RA; IL2RB; IL2RG; IMD4; interleukin 2 receptor alpha; Interleukin 2 receptor alpha chain; interleukin 2 receptor beta; Interleukin 2 receptor beta chain; interleukin 2 receptor gamma; Interleukin 2 receptor gamma (severe combined immunodeficiency); Interleukin 2 receptor gamma chain; p55; p64; P70 75; p75; SCIDX; SCIDX1; TAC antigen; TCGFR; XSCID; IL2RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CD25
Sequence Length	272
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	78pg/ml-5000pg/ml
Sensitivity	< 5pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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)

Human CD25/IL-2sR alpha PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IL2RA elisa kit	Principle of the assay: human CD25 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CD25 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CD25 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 human CD25 amount of sample captured in plate. Background: CD25 is the alpha chain of the IL-2 receptor. It is a type I transmembrane protein present on activated T cells, activated B cells, some thymocytes, myeloid precursors, and oligodendrocytes that associates with CD122 to form a heterodimer that can act as a high-affinity receptor for IL-2. The IL2R gene was mapped to 10p15-p14. CD25 is expressed in most B-cell neoplasms, some acute nonlymphocytic leukemias, neuroblastomas, and tumor infiltrating lymphocytes. Its soluble form, called sIL-2R may be elevated in these diseases and is occasionally used to track disease progression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124317
NCBI GeneID	3559
UniProt Accession #	P01589; Q5W007
Molecular Weight	30,819 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	p55; CD25; IL2R; TCGFR; IDDM10
NCBI Protein Information	interleukin-2 receptor subunit alpha; TAC antigen; IL-2R subunit alpha; IL-2 receptor subunit alpha
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_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.