

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

Mouse CD25/IL-2sR alpha PicoKine ELISA Kit

CATALOG #
AAA45537

REACTIVITY
Mouse

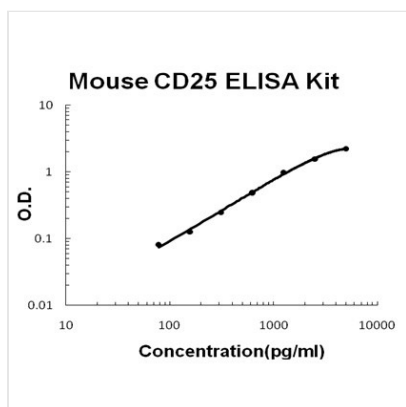
PRODUCT SYNONYMS

CD25/IL-2sR alpha; Mouse CD25/IL-2sR alpha PicoKine ELISA Kit; Interleukin-2 receptor subunit alpha; interleukin 2 receptor; alpha; Interleukin 2 receptor alpha chain; CD 25; CD25; CD25 antigen; IDDM10; IL 2 RA; IL 2 receptor alpha subunit; IL 2R; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2 RA; IL2-RA; IL2R; IL2RA; IL2RA_HUMAN; IL2RAC; Interleukin 2 Receptor Alpha; Interleukin 2 receptor; Ly43; p55; T Cell Growth Factor Receptor; TAC; TAC Antigen; TCGFR; IL2RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse CD25
Sequence Length	268
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)

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

ADDITIONAL INFORMATION

Related Product Information for IL2RA elisa kit	Principle of the assay: mouse CD25 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat 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 mouse 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. CD25 has been used as a marker to identify CD4+FoxP3+ regulatory T cells in mice. By in situ hybridization, the IL2R gene was mapped to 10p15-p14. Its soluble form, called sIL-2R may be elevated in these diseases and is occasionally used to track disease progression.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	124318
NCBI GeneID	16184
UniProt Accession #	P01590; Q61731
Molecular Weight	30,723 Da
NCBI Official Full Name	Interleukin-2 receptor subunit alpha
NCBI Official Synonym Full Names	interleukin 2 receptor, alpha chain
NCBI Official Symbol	IL2ra
NCBI Official Synonym Symbols	CD25; IL2r; Ly-43
NCBI Protein Information	interleukin-2 receptor subunit alpha; IL2-RA; IL-2-RA; p55 chain; IL-2R alpha chain; 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	IL2r; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA
UniProt Entry Name	IL2RA_MOUSE

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.