

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

Human CD25/IL-2sR Alpha PicoKine Fast ELISA Kit

CATALOG #
AAA125319

REACTIVITY
Human

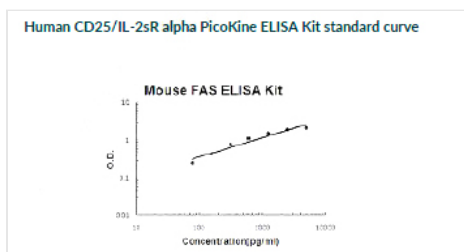
PRODUCT SYNONYMS

CD25/IL-2sR Alpha; Human CD25/IL-2sR Alpha PicoKine Fast ELISA Kit; Human CD25; Interleukin-2 receptor subunit alpha; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; TAC antigen; p55; CD25; IL2RA; IL2RA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL2RA
Sequence Length	272
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
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 accross 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2RA elisa kit	Principle of the Assay: The Picokine™ Human IL2RA Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human IL2RA with a 96-well strip plate that is pre-coated with antibody specific for IL2RA. The detection antibody is a biotinylated antibody specific for IL2RA. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL2RA with immunogen: Expression system for standard: NS0,E22-C213. The kit is analytically validated with ready to use reagents. To measure Human IL2RA, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human IL2RA in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL2RA in the sample.!!Background/Introduction: 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 #	4557667
NCBI GeneID	3559
NCBI Accession #	NP_000408.1
NCBI GenBank Nucleotide #	NP_000408.1
UniProt Accession #	P01589
NCBI Official Full Name	interleukin-2 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 2 receptor subunit alpha
NCBI Official Symbol	IL2RA
NCBI Official Synonym Symbols	p55; CD25; IL2R; IMD41; TCGFR; IDDM10
NCBI Protein Information	interleukin-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.