

Human Interleukin 2 Receptor Beta (IL2Rb) ELISA Kit | IL2Rb elisa kit

Human Interleukin 2 Receptor Beta (IL2Rb) ELISA Kit

CATALOG #
AAA183160

REACTIVITY
Human

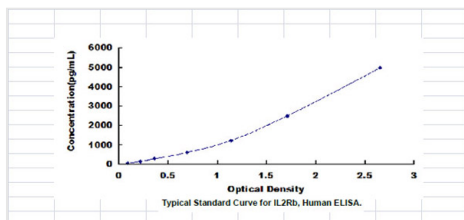
PRODUCT SYNONYMS

Interleukin 2 Receptor Beta (IL2Rb); Human Interleukin 2 Receptor Beta (IL2Rb) ELISA Kit; CD122; IL2R-b; IL2-RB; P70-75; High affinity IL-2 receptor subunit beta; Interleukin-2 receptor subunit beta; IL-2 receptor subunit beta; IL2Rb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IL2Rb. No significant cross-reactivity or interference between IL2Rb and analogues was observed.
Sequence Length	188
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL2Rb were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL2Rb were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL2Rb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL2Rb in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL2Rb. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL2Rb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL2Rb, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IL2Rb in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	514258225
NCBI GeneID	101107088
Molecular Weight	19,763 Da
NCBI Official Full Name	interleukin 2 receptor beta, partial
NCBI Official Symbol	IL2RB
NCBI Protein Information	interleukin-2 receptor subunit beta
UniProt Protein Name	Interleukin 2 receptor beta
UniProt Gene Name	IL2RB

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.