

Rat Interleukin-2 Receptor-beta ELISA Kit | IL-2Rbeta elisa kit

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CATALOG #
AAA101778

REACTIVITY
Rat

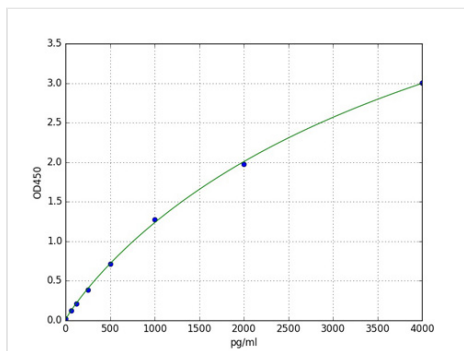
PRODUCT SYNONYMS

Interleukin-2 Receptor-beta; Rat Interleukin-2 Receptor-beta ELISA Kit; IL-2Rb (Interleukin 2 Receptor Beta)/IL2RB/CD122/IL-15 R beta/CD122 antigen/high affinity IL-2 receptor beta subunit/High affinity IL-2 receptor subunit beta/IL-2 receptor subunit beta/IL-2R subunit beta/IL-2RB/interleukin 15 receptor; beta/interleukin 2 receptor; beta/interleukin-2 receptor subunit beta/p70-75/P70-75/p75; Interleukin-2 Receptor-b; IL-2Rbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	551
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat IL-2Rβ ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.034	0.081	0.134	0.257	0.410	0.643	1.247	2.093

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-2Rbeta elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat IL-2Rbeta antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat IL-2Rbeta antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 Rat IL-2Rbeta amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat IL-2Rbeta can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307048
NCBI GeneID	3560
Molecular Weight	61,117 Da
NCBI Official Full Name	interleukin 2 receptor beta chain peptide
NCBI Official Synonym Full Names	interleukin 2 receptor subunit beta
NCBI Official Symbol	IL2RB
NCBI Official Synonym Symbols	CD122; IL15RB; P70-75
NCBI Protein Information	interleukin-2 receptor subunit beta
UniProt Protein Name	Interleukin-2 receptor subunit beta
UniProt Gene Name	IL2RB
UniProt Synonym Gene Names	IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB; p75
UniProt Entry Name	IL2RB_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.

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Online datasheet: <https://stage.aaabiotech.com/il-2rbeta-rat-elisa-kits/interleukin-2-receptor-beta/101778>