



Rabbit Anti-IL2 Receptor beta antibody

SL1959R

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| Product Name: | IL2 Receptor beta |
| Chinese Name: | 白介素2受体β链/IL-2Rβ 抗体 |
| Alias: | Imterleukm-2 Receptor beta; CD 122; CD122; CD122 antigen; High affinity IL 2 receptor beta subunit; High affinity IL 2 receptor subunit beta; High affinity IL2 receptor beta subunit; High affinity IL2 receptor subunit beta; High affinity IL-2 receptor subunit beta; IL 2 receptor; IL-2 receptor; IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB; IL15RB; IL2 R B; IL-2 R B; IL2 RB; IL2 receptor; IL2RB; Interleukin 2 receptor beta; Interleukin 2 receptor subunit beta; Interleukin-2 receptor subunit beta; OTTHUMP00000028799; P70 75; P7075; p75; IL2RB_HUMAN. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Cow,Horse, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/testIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 58kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human CD122:501-551/551<Cytoplasmic> |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |

The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. [provided by RefSeq, Jul 2008].

Function:

Receptor for interleukin-2. This beta subunit is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2.

Subunit:

Non-covalent dimer of an alpha and a beta subunit. IL2R exists in 3 different forms: a high affinity dimer, an intermediate affinity monomer (beta subunit), and a low affinity monomer (alpha subunit). The high and intermediate affinity forms also associate with a gamma subunit. Interacts with SHB upon interleukin stimulation. Interacts with HTLV-1 accessory protein p12I.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Similarity:

Belongs to the type I cytokine receptor family. Type 4 subfamily. Contains 1 fibronectin type-III domain.

SWISS:

P14784

Gene ID:

3560

Database links:

[Entrez Gene: 3560](#)Human

[Entrez Gene: 16185](#)Mouse

[Omim: 146710](#)Human

[SwissProt: P14784](#)Human

[SwissProt: P16297](#)Mouse

[Unigene: 474787](#)Human

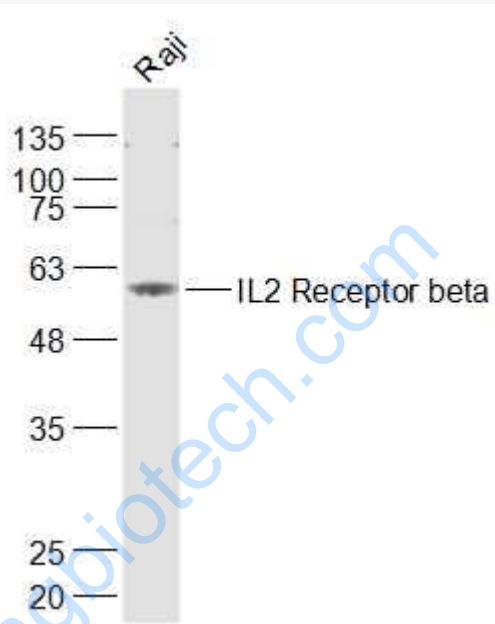
[Unigene: 35287](#)Mouse

Product Detail:

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

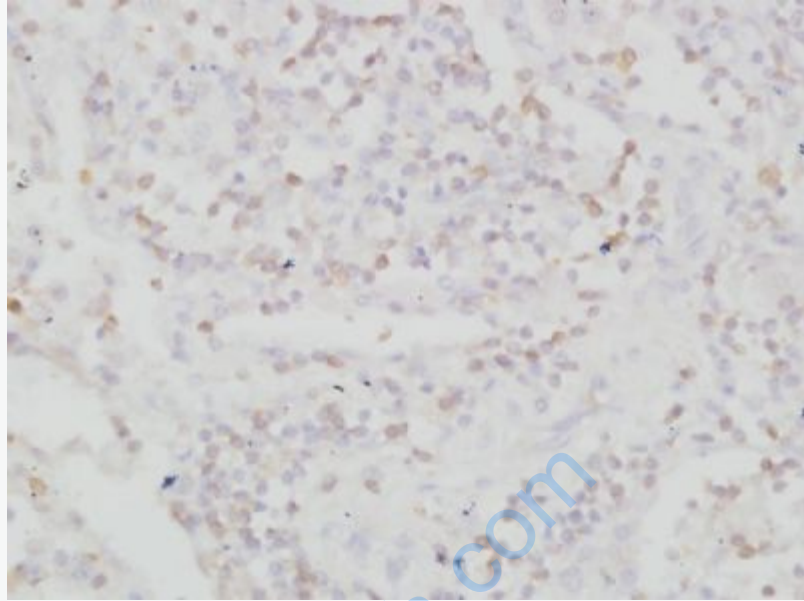
Raji(Human) Cell Lysate at 30 ug

Primary: Anti-IL2 Receptor beta (SL1959R) at 1/1000 dilution

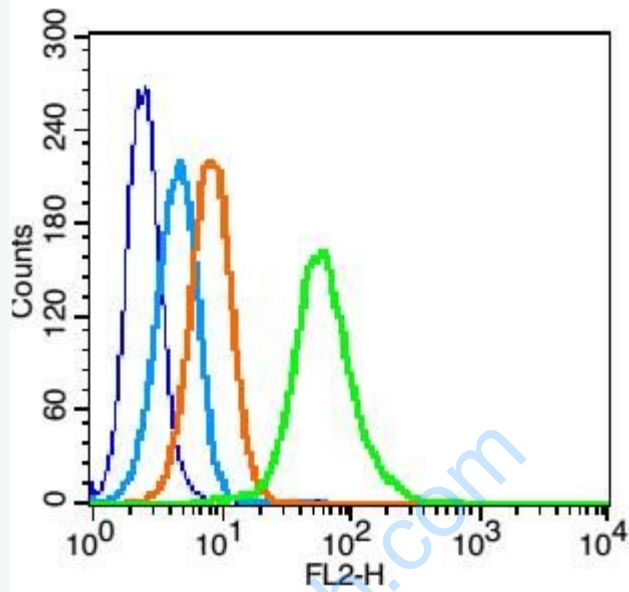
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL2 Receptor beta) Polyclonal Antibody, Unconjugated (SL1959R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: U937 (blue).

Primary Antibody: Rabbit Anti-IL2 Receptor beta antibody (SL1959R), Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min). Primary antibody (SL1959R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

