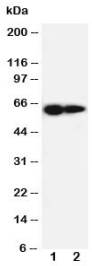
IL-2 Receptor Antibody (beta subunit) (R30696)

Catalog No.	Formulation	Size
R30696	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P14784
Applications	Western Blot : 0.5-1ug/ml
Limitations	This IL-2 Receptor antibody is available for research use only.



Western blot testing of IL-2 Receptor antibody and Lane 1: PANC cell lysate ; 2: HeLa cell lysate. Expected molecular weight ~61 kDa (unmodified), 70-75 kDa (glycosylated).

Description

Interleukin 2 receptor beta, also called CD122, is a protein that in humans is encoded by the IL2RB gene. The gene represents the beta subunit and is a type I membrane protein. The IL2RB gene contains 10 exons spanning about 24.3 kb and that the gene product is encoded by exons 2-10. IL-2 receptor is present in three forms with respect to binding ability to IL-2: high, intermediate, and low affinity forms. Analysis of mutants of the beta chain of the IL-2 receptor reveals that the granulocyte and monocyte differentiation signals are triggered by different cytoplasmic domains, showing that the signaling pathways responsible for these unique developmental outcomes are separable.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL-2 Receptor antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 117-135 (RVMAIQDFKPFENLRLMAP-human) of the beta subunit were used as the immunogen for this IL-2 Receptor antibody.

Storage

After reconstitution, the IL-2 Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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