

Anti-IL2RB Picoband Antibody

Catalog # ABO12447

Product Information

Application	WB
Primary Accession	P16297
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Interleukin-2 receptor subunit beta(IL2RB) detection. Tested with WB in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	16185
Other Names	Interleukin-2 receptor subunit beta, IL-2 receptor subunit beta, IL-2R subunit beta, IL-2RB, High affinity IL-2 receptor subunit beta, p70-75, CD122, IL2rb
Calculated MW	60539
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Interleukin-2 receptor subunit beta
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse IL2RB (503-539aa NLHGQDQDRGQGPILTNTDAYLSLQELQAQDSVHLI), different from the related human sequence by sixteen amino acids, and from the related rat sequence by fourteen amino acids
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing.

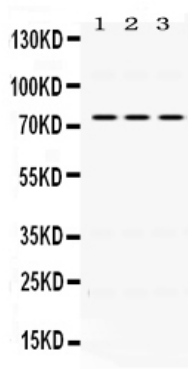
Protein Information

Name	Il2rb
Function	Receptor for interleukin-2. This beta subunit is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (By similarity).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P14784}; Single-pass type I membrane protein. Cell surface {ECO:0000250 UniProtKB:P14784}

Background

IL2RB (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. IL2RB is mapped to 22q12.3. The IL2RB gene contains 10 exons spanning about 24.3 kb and that the gene product is encoded by exons 2-10. The IL2 receptor is present in 3 forms with respect to binding ability to IL2: high, intermediate, and low affinity forms. Analysis of mutants of the beta chain of the IL2 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.

Images



Anti- IL2RB Picoband antibody, ABO12447, Western blottingAll lanes: Anti IL2RB (ABO12447) at 0.5ug/mlLane 1: Mouse Lung Tissue Lysate at 50ugLane 2: Mouse Spleen Tissue Lysate at 50ugLane 3: Mouse Testis Tissue Lysate at 50ugPredicted bind size: 75KDObserved bind size: 75KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.