

Anti-IL2RB Picoband Antibody

Catalog # ABO12447

Specification

Anti-IL2RB Picoband Antibody - Product Information

Application	WB
Primary Accession	<u>P16297</u>
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	
Rabbit IgG polyclonal antibody fo	r 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.

Anti-IL2RB Picoband Antibody - 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 MW KDa

Application Details Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization Membrane; Single-pass type I membrane protein.

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 NLHGQDQDRGQGPILTLNTDAYLSLQELQAQDSVHLI), 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 r°Constitution, 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.

Anti-IL2RB Picoband Antibody - 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}

Anti-IL2RB Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-IL2RB Picoband Antibody - Images

130KD -	1	2	3
100KD — 70KD —	_	_	-
55KD –			
35KD -			
25KD -			
15KD -			



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

Anti-IL2RB Picoband Antibody - 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.