



# Anti-IL2RB monoclonal antibody, clone TM-BETA 1 (CABT-48350RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD122 antibody, clone TM-BETA 1 recognizes the murine CD122 cell surface glycoprotein, a 75-85kD molecule also known as interleukin-2 receptor (IL-2R) beta chain. In mouse, CD122 is primarily expressed on natural killer (NK) cells and at lower levels on lymphocyte subsets, monocytes and macrophages. CD122 can associate with the IL-2R alpha chain (CD25) and CD132 to form a functional high affinity receptor complex that binds IL-2. CD132/CD122 heterodimers can also be formed which bind IL-2 with intermediate affinity. IL-2 binding to the IL-2R is important in the generation and differentiation of T lymphocytes and NK cells. Clone TM-beta 1 is reported to block IL-2 high affinity binding to the IL-2R beta receptor. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

<b>Specificity</b>	IL2RB
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	TM-BETA 1
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FC; FA; IP
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	500 µg
<b>Preservative</b>	None
<b>Storage</b>	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">Il2rb interleukin 2 receptor, beta chain [ Mus musculus (house mouse) ]</a>
Official Symbol	IL2RB
Synonyms	IL2RB; interleukin 2 receptor, beta chain; p70; CD122; IL15Rbeta; IL-2Rbeta; IL-15Rbeta; IL-2/15Rbeta; interleukin-2 receptor subunit beta; IL-2RB; p70-75; IL-2R subunit beta; IL-2/15 receptor-beta; IL-2 receptor beta chain; IL-15 receptor beta chain; IL-
Entrez Gene ID	<a href="#">16185</a>
Protein Refseq	<a href="#">NP_032394</a>
UniProt ID	P16297
Chromosome Location	15 E; 15 37.52 cM
Pathway	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Endocytosis; G beta:gamma signalling through PI3Kgamma; G-protein beta:gamma signalling; GPCR downstream signaling; GPVI-mediated activation cascade; HTLV-I infection;
Function	cytokine receptor activity; interleukin-2 binding; interleukin-2 receptor activity;