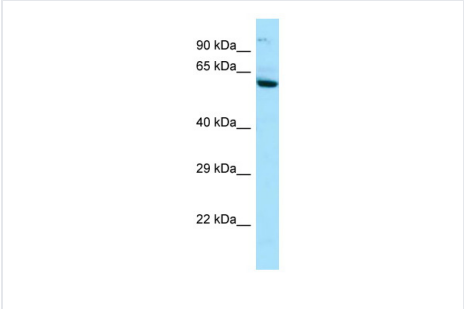
IL2RB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL2RB, Polyclonal Antibody
Full Product Name	IL2RB antibody - C-terminal region
Product Gene Name	anti-IL2RB antibody
Product Synonym Gene Name	CD122; P70-75; IL15RB
Immunogen Sequence	Synthetic peptide located within the following region: QGYFFFHLPD ALEIEACQVY FTYDPYSEED PDEGVAGAPT GSSPQPLQPL
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat, Yeast
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	IL2RB peptide (MBS3240035) is used for blocking the activity of IL2RB antibody (MBS3215120)
Molecular Weight	58kDa
OMIM	146710
3D Structure	ModBase 3D Structure for P14784
Homology	Human: 100%; Rat: 77%; Yeast: 100%
Product Categories/Family for anti-IL2RB antibody	Polyclonal; Cell Biology
Applications Tested/Suitable for anti-IL2RB antibody	Western Blot (WB)
Related Product Information for anti-IL2RB antibody	This is a rabbit polyclonal antibody against IL2RB. It was validated on Western Blot Target Description: 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.
Other Notes	Small volumes of anti-IL2RB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL2RB purchase	MBS3215120 is an antibody targeting IL2RB. Also known as IL2RB antibody - C-terminal region. Reactive in Human, Rat, Yeast. Host: Rabbit.



Western Blot (WB) of anti-IL2RB antibody
WB Suggested Anti-IL2RB AntibodyTitration: 1.0 ug/mlPositive Control: HepG2 Whole Cell

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL2RB. It may not necessarily be applicable to this product.

NCBI GI #	4504665
NCBI GeneID	3560
NCBI Accession #	NP_000869
UniProt Primary Accession #	P14784
UniProt Related Accession #	P14784
GenBank Nucleotide #	NM_000878
NCBI Official Full Name	interleukin-2 receptor subunit beta
NCBI Official Synonym Full Names	interleukin 2 receptor subunit beta
NCBI Official Symbol	IL2RB
NCBI Official Synonym Symbols	CD122; IL15RB; P70-75
UniProt Protein Name	Interleukin-2 receptor subunit beta
UniProt Synonym Protein Names	High affinity IL-2 receptor subunit beta; p70-75
Protein Family	Interleukin-2 receptor
UniProt Gene Name	IL2RB
UniProt Synonym Gene Names	IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB; p75
UniProt Entry Name	IL2RB_HUMAN
NCBI Protein Information	interleukin-2 receptor subunit beta
NCBI Summary for IL2RB	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. The use of alternative promoters results in multiple transcript variants encoding the same protein. The protein is primarily expressed in the hematopoietic system. The use by some variants of an alternate promoter in an upstream long terminal repeat (LTR) results in placenta-specific expression. [provided by RefSeq, Sep 2016]

UniProt Comments for IL2RB	IL2RB: Receptor for interleukin-2. This beta subunit is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. 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. Belongs to the type I cytokine receptor family. Type 4 subfamily. Protein type: Membrane protein, integral; Receptor, cytokine Chromosomal Location of Human Ortholog: 22q13.1 Cellular Component: membrane; integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: interleukin-2 receptor activity; interleukin-2 binding Biological Process: viral reproduction; cytokine and chemokine mediated signaling pathway; protein complex assembly; signal transduction; negative regulation of apoptosis
Research Articles on IL2RB	**1.** Chimeric fusion protein of interleukin 2 (IL2) and its receptor interleukin 2 receptor, beta protein (IL2Rbeta) enhances antitumor activity of natural killer NK92 cells.
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