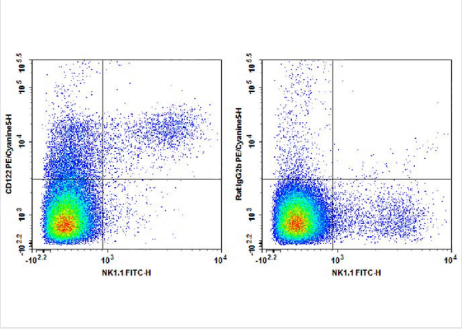
CD122 Antibody – Rat

PRODUCT OVERVIEW

Product Name	CD122, Antibody
Full Product Name	PE/Cyanine5 Anti-Mouse CD122 Antibody [TM-Beta 1]
Product Gene Name	anti-CD122 antibody
Product Synonym Names	IL-2 Receptor beta chain; IL-2Rbeta
Isotype	IgG2b, kappa
Clone Number	TM-Beta 1
Host	Rat
Species Reactivity	Mouse
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Matching Pairs	Antibody: CD122 Clone #TM-Beta 1 (MBS2584806) Isotype Control: IgG2b, kappa Clone #LTF-2 (MBS2557870)
Molecular Weight	60,539 Da
3D Structure	ModBase 3D Structure for P16297
Conjugation	PE/Cyanine 5
Product Categories/Family for anti-CD122 antibody	Antibodies and Reagents; Primary Antibodies; Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD122 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD122 antibody	MBS2584806 is an antibody targeting CD122. Also known as PE/Cyanine5 Anti-Mouse CD122 Antibody [TM-Beta 1]. Reactive in Mouse. Host: Rat.
Other Notes	Small volumes of anti-CD122 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.



Flow Cytometry (FC/FACS) of anti-CD122 antibody
Staining of C57BL/6 murine splenocytes cells with FITC Anti-Mouse NK1.1 Antibody and PE/Cyanine5 Anti-Mouse CD122 Antibody[TM-Beta 1] (left) or PE/Cyanine5 Rat IgG2b, ? Isotype Control (right). Total viable cells were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD122. It may not necessarily be applicable to this product.

NCBI GI #	16185
NCBI GeneID	16185
NCBI Accession #	NP_032394.1
UniProt Primary Accession #	P16297
UniProt Secondary Accession #	Q3TZT2
UniProt Related Accession #	P16297
GenBank Nucleotide #	NM_008368.4
NCBI Official Full Name	interleukin-2 receptor subunit beta
NCBI Official Synonym Full Names	interleukin 2 receptor, beta chain
NCBI Official Symbol	Il2rb
NCBI Official Synonym Symbols	p70; CD122; IL15Rbeta; Il-2Rbeta; IL-15Rbeta; Il-2/15Rbeta
UniProt Protein Name	Interleukin-2 receptor subunit beta
UniProt Synonym Protein Names	High affinity IL-2 receptor subunit beta; p70-75; CD_antigen: CD122
Protein Family	Interleukin-2 receptor
UniProt Gene Name	Il2rb
UniProt Synonym Gene Names	IL-2 receptor subunit beta; IL-2R subunit beta; IL-2RB
UniProt Entry Name	IL2RB_MOUSE
NCBI Protein Information	interleukin-2 receptor subunit beta
NCBI Summary for CD122	The interleukin 2 receptor is composed of alpha and beta subunits. The beta subunit encoded by this gene is very homologous to the human beta subunit and also shows structural similarity to other cytokine receptors. [provided by RefSeq, Jul 2008]
UniProt Comments for CD122	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: Receptor, cytokine; Membrane protein, integral Cellular Component: cell surface; external side of plasma membrane; integral to membrane; membrane Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor activity; interleukin-2 binding; interleukin-2 receptor activity Biological Process: cytokine and chemokine mediated signaling pathway; natural killer cell activation; negative regulation of apoptosis
Research Articles on CD122	**1.** IL-2Rbeta-dependent signaling and CD103 functionally cooperate to maintain tolerance in the gut mucosa.
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