

Anti-IL-2R beta (CD122) Antibody, clone TM-beta1 clone TM-beta 1, from rat

Art. ID	SAF-MABF951-100UL
Unit	1 x 100 µL
Deliverydetails	No Dangerous Good

Description

Interleukin-2 receptor subunit beta (UniProt: P16297, also known as IL-2 receptor subunit beta, IL-2R subunit beta, IL-2RB, High affinity IL-2 receptor subunit beta, p70-75, CD122) is encoded by the Il2rb gene (Gene ID: 16185) in murine species. IL-2R is a non-covalent dimer of an alpha and a beta subunit. It can exist as a high affinity dimer, an intermediate affinity monomer of beta subunit, and as a low affinity monomer of alpha subunit. IL-2R beta is a single-pass type I membrane protein. The beta subunit is involved in receptor mediated endocytosis and it transduces the mitogenic signals of IL-2. IL-2R beta is synthesized with a signal peptide (aa 1-26), which is cleaved off to produce the mature form that has an extracellular domain (aa 27-240), a transmembrane domain (aa 241-268), and a long cytoplasmic domain (aa 269-539). IL-2R beta contains a WSXWS motif (aa 221-225), which is essential for its proper folding and thereby efficient intracellular transport. It also has a Box 1 motif (aa 281-289) that is required for JAK interaction and/or activation.