Active Recombinant Rat IL2RB protein, His&Twin-Strep-tagged

Cat. No. IL2RB-9511R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL2RB protein(Ala 27 - Glu 239 (IL-2RB) & Ser 25 - Ala 262 (IL-2RG)), fused with His and Twin-Strep tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Ala 27 - Glu 239 (IL-2RB) & Ser 25 - Ala 262 (IL-2RG)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Loaded Biotinylated Human IL-2, Fc,Avitag on SA Biosensor, can bind Rat IL-2RB&IL-2RG Heterodimer Protein, His Tag&Twin-Strep Tag with an affinity constant of 3.50 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	Molecular CharacterizationRat IL-2RB&IL-2RG Heterodimer Protein, His Tag&Twin-Strep Tag is produced by co-expression of IL-2RB and IL-2RG, has a calculated MW of 30.2 kDa (IL-2RB) and 34.7 kDa (IL-2RG). Subunit IL-2RB is fused with a polyhistidine tag at the C-terminus and subunit IL-2RG is fused with Twin-Strep tag at the C-terminus. The reducing (R) protein migrates as 40-50 kDa and 55-65 kDa respectively due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Il2rb interleukin 2 receptor, beta [Rattus norvegicus]
Official Symbol	IL2RB
Synonyms	IL2RB; interleukin 2 receptor, beta; interleukin-2 receptor subunit beta; IL-2RB; P70-75; IL-2R subunit beta; IL-2 receptor subunit beta; interleukin 2 receptor, beta chain; high affinity IL-2 receptor subunit beta; IL2RBC;
Gene ID	25746
mRNA Refseq	NM_013195
Protein Refseq	NP_037327

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