

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

Cat. No. IL2RB-951R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL2RB protein(Ala 27 - Glu 239 (IL-2RB) & Glu 22 - Gln 235 (IL-2RA) & Ser 25 - Ala 262 (IL-2RG)), fused with His and Twin-Strep tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	27-239;22-235;25-262 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human IL-2, Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Rat IL-2RB&IL-2RA&IL-2RG, His Tag&Twin-Strep Tag with a linear range of 39-156 ng/mL.
Molecular Mass	Molecular CharacterizationRat IL-2RB&IL-2RA&IL-2RG, His Tag&Twin-Strep Tag is produced by co-expression of IL-2RB and IL-2RA and IL-2RG, has a calculated MW of 30.2 kDa (IL-2RB) and 59.3 kDa (IL-2RA&IL-2RG). Subunit IL-2RB is fused with a his tag at the C-terminus and subunit IL-2RA&IL-2RG is fused with a Twin-Strep Tag at the C-terminus. The reducing (R) protein migrates as 45 kDa and 110 kDa respectively due to glycosylation.
Proteinlength	Ala27-Glu239(IL-2RB)&Glu22-Gln235(IL-2RA)&Ser25-Ala262(IL-2RG)

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.
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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