

Recombinant Mouse IL-2-RA/CD25 Protein

Catalog No.: RP01481 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16184	P01590

Tags

C-hFc

Synonyms

CD25; IL2r; Ly-43; p55; CD25; IL2R;
IMD41; TCGFR; IDDM10

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

<0.1EU/ μ g

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown.

Basic Information

Description

Recombinant Mouse IL-2-RA/CD25 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu22-Lys236) of mouse CD25/IL-2Ralpha (Accession #NP_032393.3) fused with a hFc tag at the C-terminus.

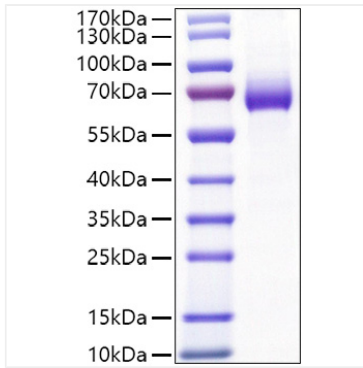
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized APC anti-mouse CD25 Antibody at 1 μ g/mL (100 μ L/well) can bind Mouse CD25 with a linear range of 0.46-6 ng/mL.

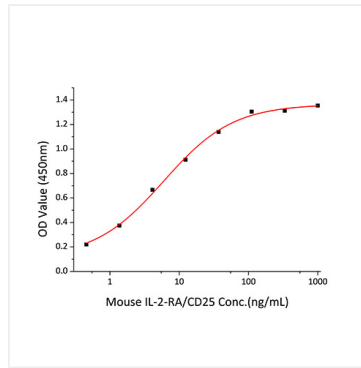
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse IL-2-RA/CD25 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-70kDa.



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