

MOUSE IL2RA PROTEIN, HFC TAG

Cat.#: 12187

Product Name: Mouse IL2RA Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: IL-2-RA;IL2-RA;p55;CD25;Il2ra

Target: IL2RA

UNIPROT ID: P01590

Description: Recombinant mouse IL2RA protein with C-terminal human Fc tag

Background: Receptor for interleukin-2. The receptor is involved in the regulation of immune tolerance by controlling regulatory T cells (TREGs) activity. TREGs suppress the activation and expansion of autoreactive T-cells.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 50.8 kDa after removal of the signal peptide. The apparent molecular mass of mIL2RA-hFc is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: Mouse IL2RA(Glu22-Lys236) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

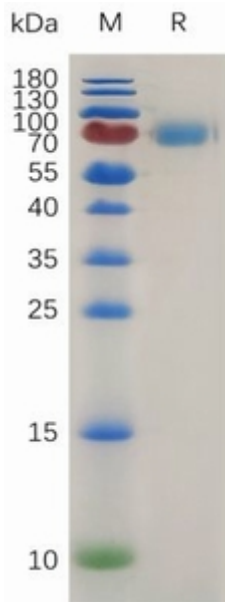


Figure 1. Mouse IL2RA Protein, hFc Tag on SDS-PAGE under reducing condition.