

Active Recombinant Mouse IL2 protein, His-tagged

Cat. No. IL2-553M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL2 protein(Ala21-Gln169), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	21-169 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Mouse IL-2 at 2 µg/mL (100 µL/well) can bind Mouse IL-2 with a linear range of 0.1-43.8 ng/mL. 2. Measured in a cell proliferation assay using HT-2 mouse T cells. The ED50 for this effect is 0.88-3.5 ng/mL, corresponding to a specific activity of 2.86×10^5 - 1.14×10^6 units/mg. 3. Measured in a cell proliferation assay using CTLL2 mouse T cells. The ED50 for this effect is 0.32-1.26 ng/mL, corresponding to a specific activity of 7.94×10^5 - 3.17×10^6 units/mg.
Molecular Mass	18.07 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.

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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.

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.

GENE INFORMATION

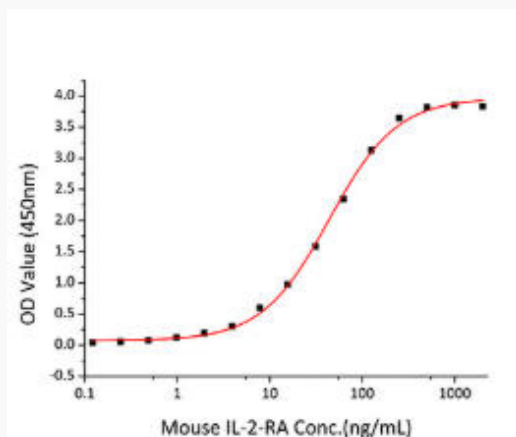
Gene Name	IL2 interleukin 2 [Mus musculus]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; interleukin-2; TCGF; T-cell growth factor; IL-2;
Gene ID	16183
mRNA Refseq	NM_008366
Protein Refseq	NP_032392

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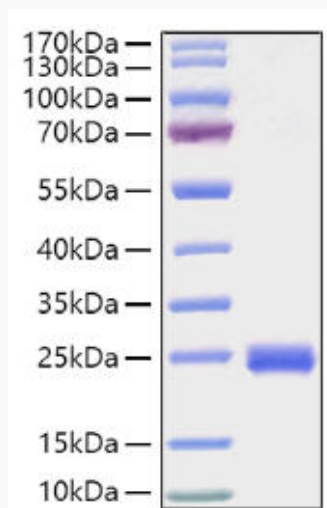
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Activity



SDS-PAGE



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