

Recombinant Mouse LEU3/CD4 Protein

Catalog No.: RP02947 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12504	P06332

Tags

C-His

Synonyms

L3T4; Ly-4

Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

Endotoxin

<1EU/μg

Formulation

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

Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

Contact

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Background

CD4, also known as L3T4, T4, and W3/25, is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. It is a standard phenotype marker for the identification of T cell populations. Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex.

Basic Information

Description

Recombinant Mouse LEU3/CD4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys27-Thr394) of mouse CD4 (Accession #NP_038516.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

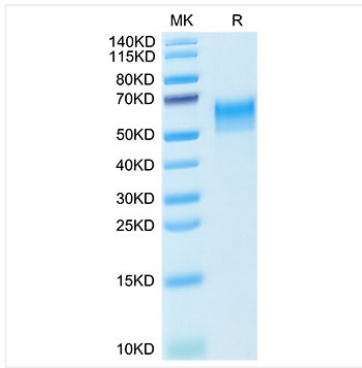
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

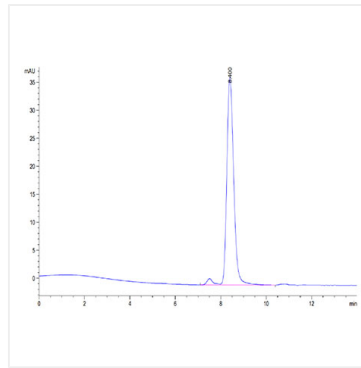
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Mouse CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouse CD4 is greater than 95% as determined by SEC-HPLC.