

# 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

Calculated MW	Observed MW
42.4 kDa	50-70 kDa

### 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 free-thaw cycles.

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## 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

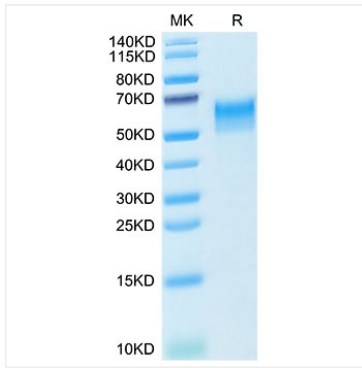
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

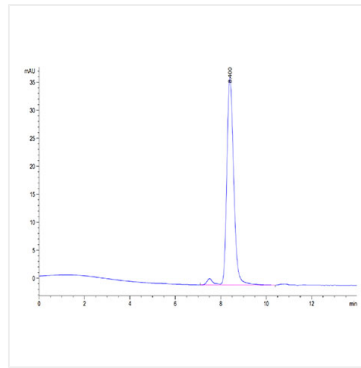
Avoid repeated freeze/thaw cycles.

## Validation Data

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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.