

# Recombinant Mouse CD4 protein (rFc Tag) (HPLC verified)

Catalog Number: Eg3847

## Basic Information

**Species:**  
Mouse**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE  
>90 %, SEC-HPLC**Endotoxin Level:**  
<0.1 EU/ µg protein, LAL method**Source:**  
HEK293-derived Mouse CD4 protein Lys27-Thr394 (Accession# P06332-1) with a rabbit IgG Fc tag at the C-terminus.**GeneID:**  
12504**Accession:**  
P06332-1**Predicted Molecular Mass:**  
67.5 kDa**SDS-PAGE:**  
70-80 kDa, reducing (R) conditions**Formulation:**  
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

T cell surface glycoprotein CD4, the global membrane glycoprotein, plays an important role in the immune response, performing multiple functions in response against external and internal attacks. CD4<sup>+</sup> T cells are the main cells involved in the acquired immune response and play an important role in body development and homeostasis. Upon T cell antigen receptor stimulation and the synergistic activity of cytokines, naive CD4<sup>+</sup> T cells differentiate into distinct subsets, including Th1, Th2, Th17, and regulatory T (Treg) cells.

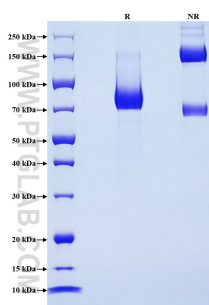
## References

1. Kurup S, et al. Nature reviews Immunology. 2019;19:457-71.
2. JB, et al. Nature reviews Immunology. 2018;18:635-47.

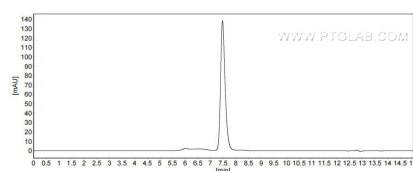
## Synonyms

CD4 antigen, L3T4, Ly 4, T-cell differentiation antigen L3T4, T-cell surface antigen T4/Leu-3

## Selected Validation Data



Purity of Recombinant Mouse CD4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse CD4 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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