

For Research Use Only

# Recombinant Mouse CD302 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2660

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human CD302 protein Asp21-His156 (Accession# Q9DCG2-2) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
66205

**Accession:**  
Q9DCG2-2

**Predicted Molecular Mass:**  
41.6 kDa

**SDS-PAGE:**  
40-47 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m 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

CD302 is a C-type lectin receptor involved in cell adhesion and migration, as well as endocytosis and phagocytosis. In mice and humans, CD302 is primarily expressed in the liver, lungs, lymph nodes (LNs), spleen, and bone marrow. In CD302 gene knockout (CD302KO) mice, the migration frequency and number of myeloid dendritic cells (mDC) in CD302KO lymph nodes were reduced compared to the wild type, confirming the functional role of CD302 in mDC migration.

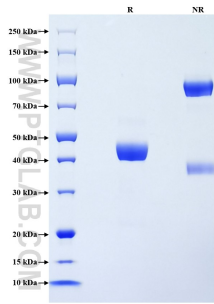
## References

- 1.Lo TH, et al. (2016) J Immunol.197(3):885-98.
- 2.Kato M, et al. (2007) J Immunol. 179(9):6052-63.

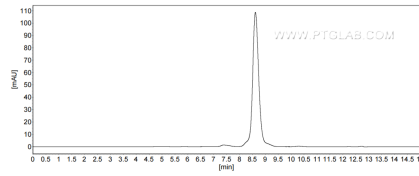
## Synonyms

CD302 antigen, Clec13a, C-type lectin domain family 13 member A, Type I transmembrane C-type lectin receptor DCL-1

## Selected Validation Data



Purity of Recombinant Mouse CD302 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 CD302 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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