

For Research Use Only

# Recombinant Mouse CD93 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3116

## 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/μg protein, LAL method

**Source:**  
HEK293-derived Mouse CD93 protein Ala23-Asn572 (Accession# O89103) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
17064

**Accession:**  
O89103

**Predicted Molecular Mass:**  
85.1 kDa

**SDS-PAGE:**  
110-120 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

CD93 (also known as complement protein 1 q subcomponent receptor C1qR1 or C1qRp) is a transmembrane glycoprotein consisting of 652 amino acids. CD93 can exist in two forms: soluble (sCD93) and membrane-bound (CD93). CD93 is expressed predominantly on endothelial cells, where it plays a key role in the promotion of angiogenesis in physiology and disease. CD93 is also highly expressed in tumor-associated blood vessels, and its presence is associated with poor prognosis, poor response to immunotherapy, immune cell infiltration, and high tumor, lymph node, and metastasis (TNM) stages in many cancer types. (PMID: 37443812) Targeting CD93-related signaling pathways in the tumor microenvironment may be a novel therapeutic strategy for tumor immunotherapy.

## References

1. Tossetta G, et al. *Cells*. 2023;12(13):1778.
2. Sun Y, et al. *Sci Transl Med*. 2021;13(604):eabc8922.
3. Guo A, et al. *Front Immunol*. 2022;13:907182.
4. Wu B, et al. *Front Immunol*. 2023;14:984816.

## Synonyms

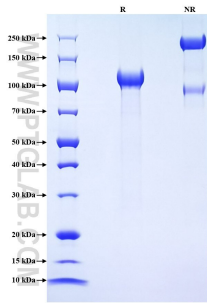
Aa4, C1q/MBL/SPA receptor, C1qR(p), C1qr1, C1qRp

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

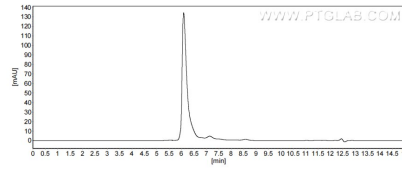
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W: ptglab.com

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## Selected Validation Data



Purity of Recombinant Mouse CD93 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 CD93 was greater than 90% as determined by SEC-HPLC.