

For Research Use Only

Recombinant Mouse CD53 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2684

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 CD53 protein Glu107-Asn181 (Accession# Q61451) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
12508

Accession:
Q61451

Predicted Molecular Mass:
34.2 kDa

SDS-PAGE:
38-50 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

CD53, also known as OX44 or TSPAN25, a pan-leukocyte surface glycoprotein which spans the plasma membrane four times and is a member of the transmembrane 4 superfamily (TM4SF). Mouse CD53 is expressed on virtually all peripheral leukocytes, but not on cells outside the lymphoid or myeloid lineages.

References

1. Dunlock VE. (2020) Med Microbiol Immunol. 209(4):545-552.
2. Tomlinson MG, et al. (1995) Eur J Immunol. 25(8):2201-5.

Synonyms

Cell surface glycoprotein CD53, Leukocyte surface antigen CD53

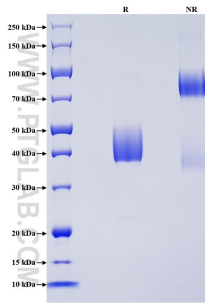
For technical support and original validation data for this product please contact

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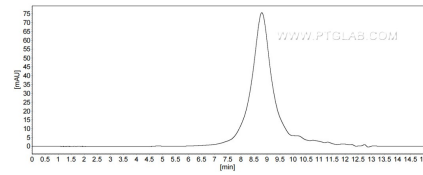
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Selected Validation Data



Purity of Recombinant Mouse CD53 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 CD53 was greater than 90% as determined by SEC-HPLC.