

For Research Use Only

Recombinant Mouse CD81 protein (rFc Tag)



Catalog Number: Eg3833

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse CD81 protein Val106-Val211 (Accession# P35762) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

12520

Accession:

P35762

Predicted Molecular Mass:

38.7 kDa

SDS-PAGE:

37-40 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

Introduction CD81 was originally named a target of an anti-proliferative antibody-1; it was discovered by screening different monoclonal antibodies capable of inhibiting B-cell lymphoma proliferation. The importance of CD81 in the immune system was later demonstrated by knocking down the molecule in mice. Comparisons of immune functions in wild-type and CD81KO (CD81 knockout) mice have shown that CD81 is not necessary for normal development of T and B lymphocytes; however, it is important for B-cell proliferation, proper humoral immune responses and for CD19 expression on the membrane of B lymphocytes.

References

1. Oren, R., et al. (1990). Mol. Cell. Biol. 10, 4007-4015.
2. Maecker, H.T., et al. (1997). J. Exp. Med. 185, 1505-1510.
3. Miyazaki, T., et al. (1997). EMBO, J. 16, 4217-4225.

Synonyms

26 kDa cell surface protein TAPA-1, CD81 antigen, Tapa 1, Tapa1, Target of the antiproliferative antibody 1

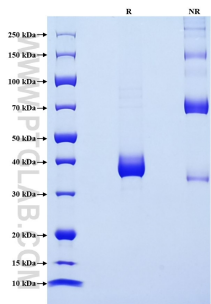
For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Mouse CD81 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.