

Recombinant Mouse CD2 protein (rFc Tag) (HPLC verified)

Catalog Number: Eg1403

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 CD2 protein Arg23-Ser203 (Accession# P08920) with a rabbit IgG Fc tag at the C-terminus.**GeneID:**
12481**Accession:**
P08920**Predicted Molecular Mass:**
47.0 kDa**SDS-PAGE:**
52-70 kDa, reducing (R) condition**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

CD2 is a cell surface glycoprotein present on a majority of thymocytes. The CD2 antigen was identified as one of the earliest T cell markers and was shown to be important for thymocyte development. Notably, only a minor percentage of B cells express CD2 in humans while CD2 is broadly expressed on murine B cells. CD2 is a transmembrane glycoprotein of the immunoglobulin superfamily expressed on the surface of T cells, NK cells, thymocytes and dendritic cells. The glycoprotein CD2 is a costimulatory receptor expressed mainly on T and NK cells that binds to LFA3.

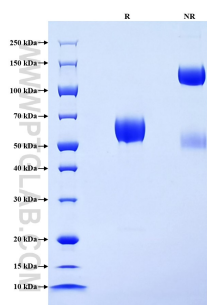
References

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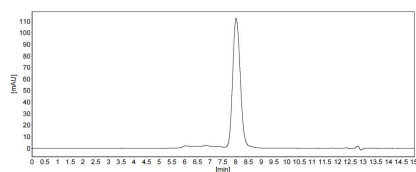
Synonyms

LFA-2, LFA-3 receptor, Ly-37, Lymphocyte antigen 37, T-cell surface antigen CD2

Selected Validation Data



Purity of Recombinant Mouse CD2 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 CD2 was greater than 90% as determined by SEC-HPLC.