For Research Use Only

Recombinant Mouse CD33 protein (rFc Tag)

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Catalog Number: Eg6285

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse CD33 protein Asp18-Glu240 (Accession# Q63994-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
12489

Accession:
Q63994-1

Predicted Molecular Mass:
50.2 kDa

SDS-PAGE:
58-68 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

CD33, also referred to as Siglec-3, is a 67-kDa glycosylated transmembrane protein of sialic acid-binding immunoglobulin-like lactic (siglec) family. CD33 is expressed on monocytes, myeloid progenitors, granulocytes, mast cells, some T cells. It may mediate cell-to-cell adhesion and act as a receptor that inhibits the proliferation of normal and leukemic myeloid cells.

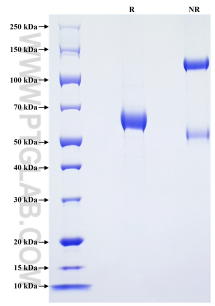
References

1. Brinkman-Van der Linden, Els C M et al. Molecular and cellular biology vol. 23,12 (2003): 4199-206.
2. Tan, Shuwen et al. Neuromolecular medicine vol. 25,2 (2023): 255-271.
3. Griciuc, Ana et al. Human molecular genetics vol. 29,17 (2020): 2920-2935.

Synonyms

Myeloid cell surface antigen CD33, Sialic acid-binding Ig-like lectin 3, Siglec3, Siglec-3

Selected Validation Data



Purity of Recombinant Mouse CD33 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.