

Recombinant Mouse CD200 protein (His Tag)

Catalog Number: Eg0920

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse CD200 protein Gln31-Gly232 (Accession# O54901) with a His tag at the C-terminus.

GeneID:

17470

Accession:

O54901

Predicted Molecular Mass:

23.6 kDa

SDS-PAGE:

32-45 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

CD200, also known as OX2, is a type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily. It contains two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. CD200 is expressed on a variety of cell types, including thymocytes, B lymphocytes, a subset of T lymphocytes, follicular dendritic cells, neurons, and endothelial cells. CD200 binds to its receptor, CD200R, which is primarily expressed by myeloid and T cell lineage. The CD200-CD200R interaction plays a role in immunosuppression and suppression of anti-tumor immune responses.

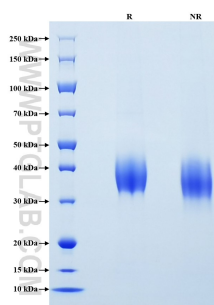
References

1. G W McCaughan, et al. (1987) Immunogenetics. 25(5):329-35.
2. G J Wright, et al. (2000) Immunity. 13(2):233-42.
3. Reginald Gorczynski, et al. (2004) J Immunol. 172(12):7744-9.
4. T P Rygiel, et al. (2012) Oncogene. 31(24):2979-88.

Synonyms

CD200 antigen, Mox2, OX2

Selected Validation Data



Purity of Recombinant Mouse CD200 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.

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

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