

Recombinant Mouse CD200 Protein(Fc Tag)

Catalog Number: PDMM100111

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species	Mouse
Source	Mammalian-derived Mouse Cd200 proteins Gln31-Gly232, with an C-terminal Fc
Calculated MW	47.1 kDa
Observed MW	60 kDa
Accession	O54901
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Mouse Cd200 proteins, 2 µg/lane of Recombinant Mouse Cd200 proteins was resolved with an SDS-PAGE under reducing conditions, showing bands at 47.1 KD

Background

Predicted to enable protein binding activity involved in heterotypic cell-cell adhesion. Involved in negative regulation of cell population proliferation, negative regulation of macrophage activation, and negative regulation of neuroinflammatory response. Located in cell surface. Is expressed in several structures, including anterior naris, aorta, bone, nervous system, and retina. Used to study autoimmune disease. Orthologous to human CD200 (CD200 molecule).

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