MOUSE CD200 PROTEIN, HFC TAG

Cat.#: 12178

Product Name: Mouse CD200 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: MRC OX-2 antigen;Mox2

Target: CD200

UNIPROT ID: O54901

Description: Recombinant mouse CD200 protein with C-terminal human Fc tag

Background: This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 48.7 kDa after removal of the signal peptide. The apparent molecular mass of mCD200-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: Mouse CD200(Gln31-Gly232) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

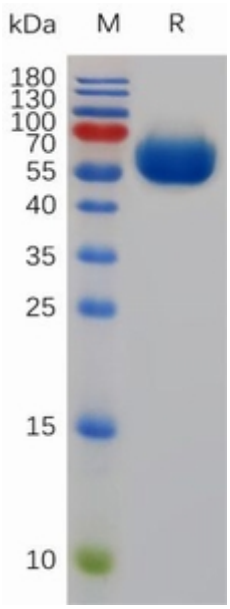

Figure 1. Mouse CD200 Protein, hFc Tag on SDS-PAGE under reducing condition.