

HUMAN CD200 PROTEIN, HIS TAG

Cat.#: 11278

Product Name: Human CD200 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD200;OX1;OX2;RC;X-2;y033

Target: CD200

UNIPROT ID: P41217

Description: Recombinant human CD200 protein with C-terminal 6xHis 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.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 23.3 kDa after removal of the signal peptide.

Molecular Characterization: CD200(Gln31-Gly232) 6×His tag

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.

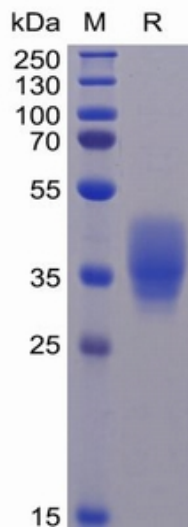


Figure 1. Human CD200 Protein, His Tag on SDS-PAGE under reducing condition.

Human CD200, His Tagged protein ELISA
0.2 μ g of Human CD200, His tagged protein per well

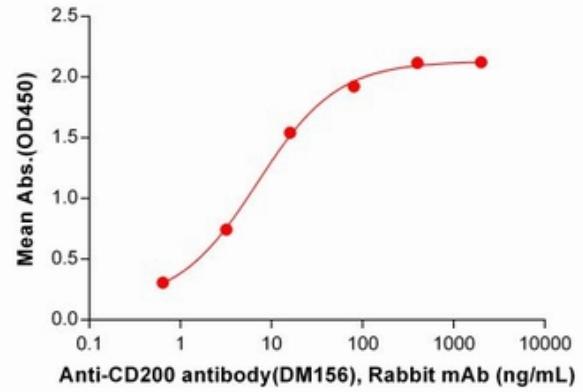


Figure 2. ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human CD200 Protein, His Tag (11278) can bind Anti-CD200 antibody(DM156), Rabbit mAb in a linear range of 0.64-3.20 ng/mL.