

HUMAN CD112 PROTEIN, HFC TAG

Cat.#: 11353

Product Name: Human CD112 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: NECTIN2;HVEB;PRR2;PVRL2;PVRR2

Target: CD112

UNIPROT ID: Q92692

Description: Recombinant Human CD112 Protein with C-terminal human Fc tag

Background: This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 61.4 kDa after removal of the signal peptide. The apparent molecular mass of CD112-hFc is approximately 70 kDa due to glycosylation.

Molecular Characterization: CD112(Gln32-Gly360) 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.

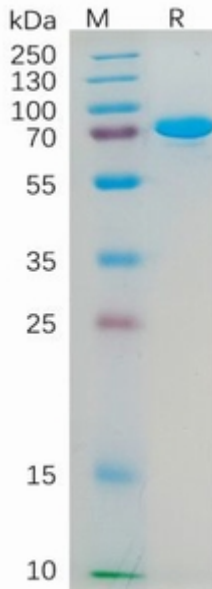


Figure 1. Human CD112 Protein, hFc Tag on SDS-PAGE under reducing condition.

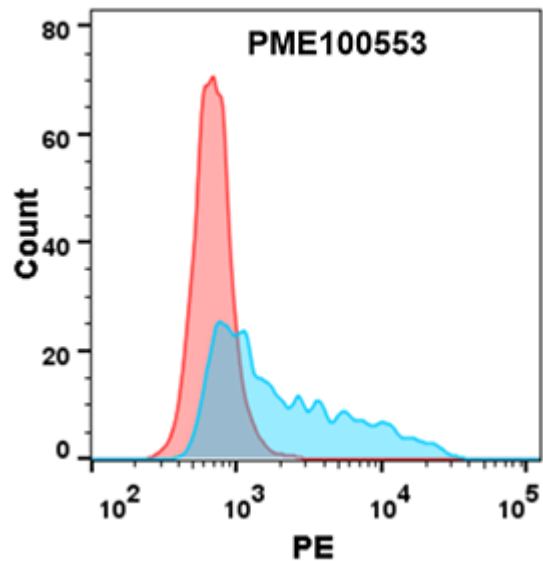


Figure 2. Flow cytometry analysis with $15\mu\text{g/ml}$ Human CD112 Protein, hFc tag (11353) on Expi293 cells transfected with human PVRIG (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).