



Recombinant Protein Technical Manual

**Recombinant Human CD112/Nectin-2 Protein
(Active)**
RPES2943

Product Data:

Product SKU: RPES2943

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_002847.1

Protein Information:

Molecular Mass: 36.2 kDa

AP Molecular Mass: 48 kDa

Tag:

Bio-activity: Measured by its binding ability in a functional ELISA. Immobilized human CD112 at 10 µg/ml (100 µl/well) can bind human DNAM1-Fch with a linear range of 1.250 µg/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Poliovirus Receptor-Related Protein 2; Herpes Virus Entry Mediator B; Herpesvirus Entry Mediator B; HveB; Nectin-2; CD112; PVRL2; HVEB; PRR2

Immunogen Information:

Sequence: Met 1-Leu 360

Background:

Cluster of Differentiation 112 (CD112), also known as poliovirus receptor related protein 2 (PVRL2 or PRR2), is a single-pass type I transmembrane glycoprotein belonging to the Immunoglobulin superfamily. CD112 protein also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and thus is involved in cell to cell spreading of these viruses. CD112 protein has been identified as the ligand for DNAM (CD226), and the interaction of CD226/CD112 protein can induce NK cell- and CD8+ T cell-mediated cytotoxicity and cytokine secretion. CD112 has been regarded as a critical component in allergic reactions, and accordingly may function as a novel target for anti-allergic therapy.