PRODUCT INFORMATION

Target	CD112
Synonyms	NECTIN2;HVEB;PRR2;PVRL2;PVRR2
Description	Recombinant Human CD112 with C-terminal mouse Fc tag
Delivery	In Stock
Uniprot ID	Q92692
Expression Host	HEK293
Tag	C-Mouse Fc Tag
Molecular Characterization	CD112(Gln32-Gly360) mFc(Pro99-Lys330)
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-mFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
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.
Usage	Research use only
Conjugate	Unconjugated

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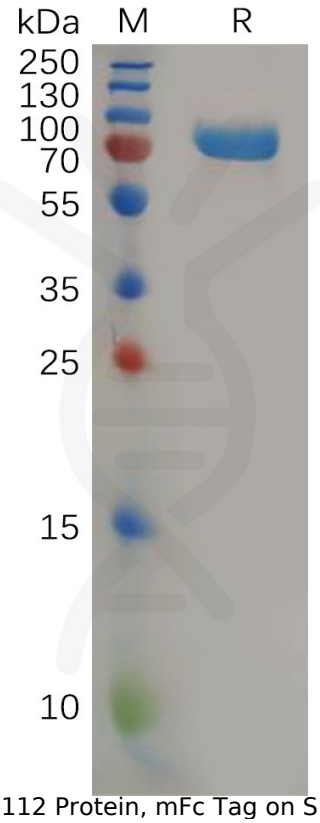


Figure 1. Human CD112 Protein, mFc Tag on SDS-PAGE under reducing condition.

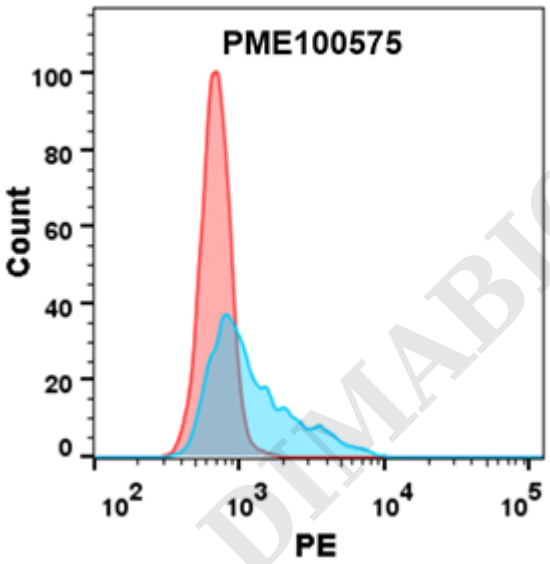


Figure 2. Flow cytometry analysis with 15μg/ml Human CD112 Protein, mFc tag (PME100575) on HEK293 cells transfected with human PVRIG (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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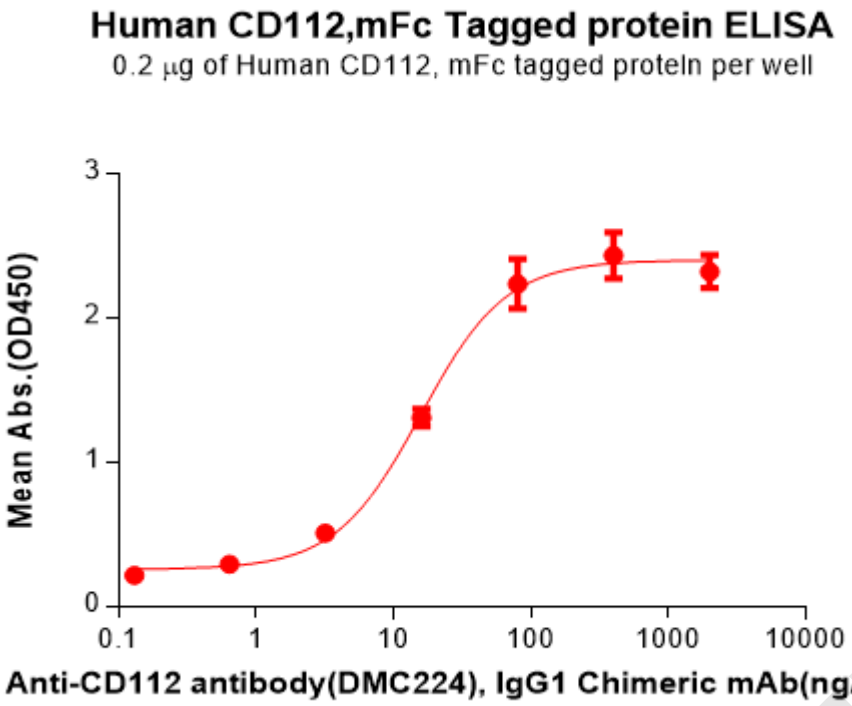


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD112 Protein, mFc Tag(PME100575) can bind Anti-CD112 antibody(DMC224), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.

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