PRODUCT INFORMATION

Target	CD81
Synonyms	CVID6;S5.7;TAPA1;TSPAN28
Description	Recombinant Human CD81 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P60033
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CD81(Phe113-Lys201) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 35.9 kDa after removal of the signal peptide.The apparent molecular mass of CD81-hFc is approximately 25-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 90% 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	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Usage	Research use only
Conjugate	Unconjugated

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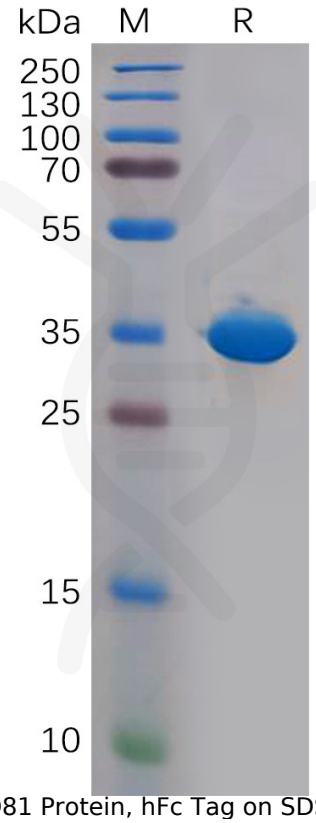


Figure 1. Human CD81 Protein, hFc Tag on SDS-PAGE under reducing condition.

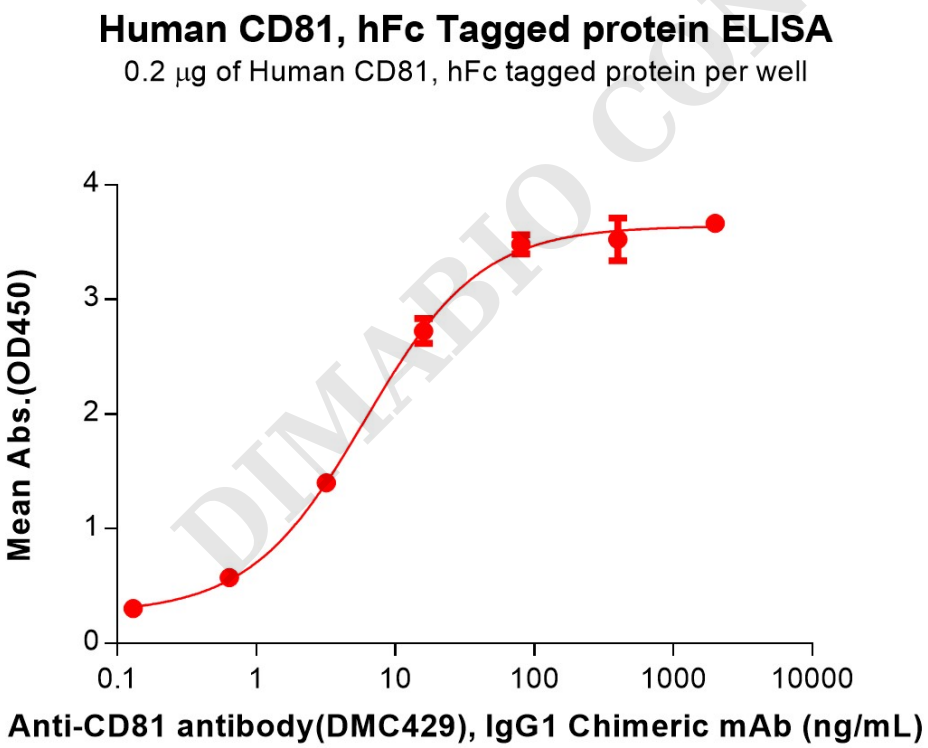


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD81 Protein, hFc Tag (PME100594) can bind Anti-CD81 antibody(DMC429), IgG1 Chimeric mAb in a linear range of 0.64–16 ng/mL.

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