

Datasheet for ABIN7092751

**CD81 Protein (CD81) (AA 113-201) (Fc Tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	CD81
Protein Characteristics:	AA 113-201
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD81 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human CD81 Protein with C-terminal human Fc tag
Specificity:	CD81 (Phe113-Lys201) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	CD81
Alternative Name:	CD81 ( <a href="#">CD81 Products</a> )
Background:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also

## Target Details

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]

Molecular Weight: predicted molecular mass of 35.9 kDa after removal of the signal peptide. The apparent molecular mass of CD81-hFc is 25-55 kDa due to glycosylation.

UniProt: [P60033](#)

Pathways: [Inositol Metabolic Process](#), [Hepatitis C](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

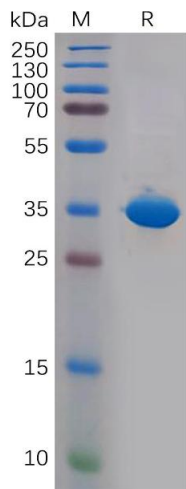
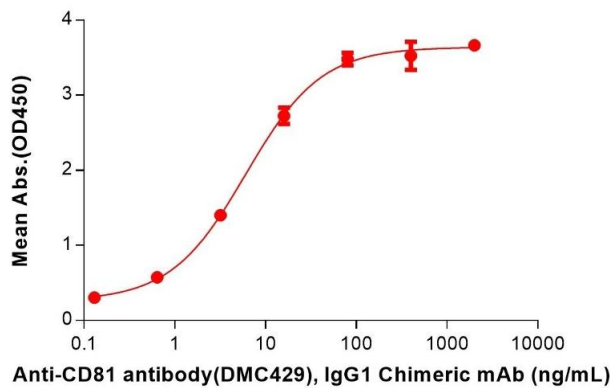
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

Human CD81, hFc Tagged protein ELISA

0.2 µg of Human CD81, hFc tagged protein per well



ELISA

**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD81 Protein, hFc Tag (ABIN7092751, ABIN7272320 and ABIN7272321) can bind Anti-CD81 antibody, IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.

SDS-PAGE

**Image 2.** Human CD81 Protein, hFc Tag on SDS-PAGE under reducing condition.