

Datasheet for ABIN6961081

CD47 Protein (CD47) (mFc-His Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD47
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD47 protein is labelled with mFc-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human CD47 protein with C-terminal mouse Fc and 6xHis tag
Specificity:	CD47 (Gln19-Gln141) CD47 (Val198-Ala207) CD47 (Ser257-Gly268) mFc (Pro99-Lys330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)

Target Details

Background:	<p>Synonyms: CD47, MER6, IAP, OA3</p> <p>Description: Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.</p>
Molecular Weight:	predicted molecular mass of 60 kDa after removal of the signal peptide.
Gene ID:	961
UniProt:	Q08722

Application Details

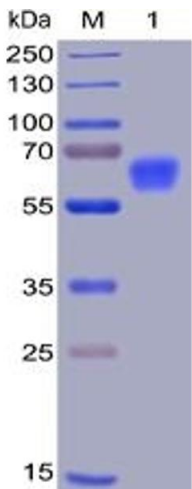
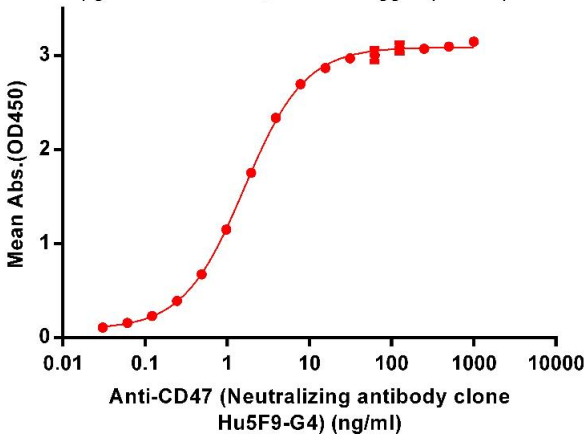
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Preservative:	Without preservative
Storage:	-20 °C,-80 °C
Expiry Date:	12 months

Human CD47, mFc-His Tagged protein ELISA

0.2 µg of Human CD47, mFc-His tagged protein per well



ELISA

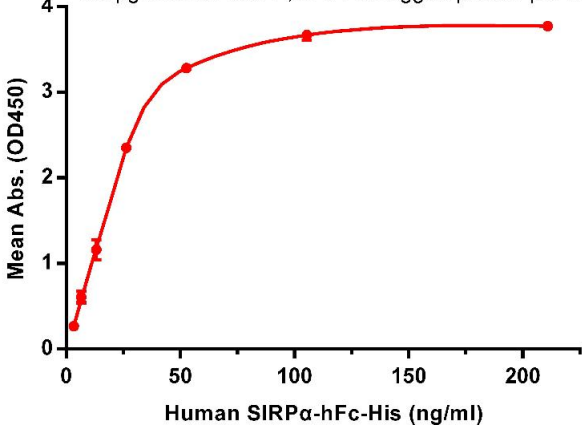
Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD47, mFc-His tagged protein (ABIN6961081) can bind Anti-CD47 (Neutralizing antibody clone Hu5F9-G4) in a linear range of 0.061-1.606 ng/mL.

SDS-PAGE

Image 2. Human CD47, mFc-His Tag on SDS-PAGE under reducing condition.

Human CD47, mFc-His tagged protein ELISA

0.2 µg Human CD47 ,mFc-His tagged protein per well



ELISA

Image 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CD47, mFc-His tagged protein (ABIN6961081) can bind its native ligand Human SIRPα, hFc-His tagged protein (ABIN6961082) in a linear range of 3.3-26.37 ng/mL.