

## Product Datasheet

### Human CD47 Protein, mFc-His Tag (orb689369)

<b>Catalog Number</b>	orb689369
<b>Category</b>	Proteins
<b>Description</b>	Recombinant human CD47 protein with C-terminal mouse Fc and 6×His tag
<b>Target</b>	CD47
<b>Conjugation</b>	Unconjugated
<b>Tag</b>	C-Mouse Fc and 6×His Tag
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	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.
<b>Buffer/Preservatives</b>	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.
<b>Reconstitution</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>UniProt ID</b>	<b>Q08722</b>
<b>MW</b>	The protein has a predicted molecular mass of 60 kDa after removal of the signal peptide.

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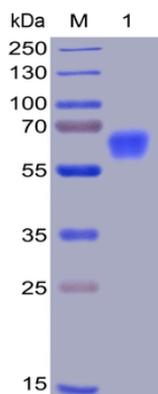
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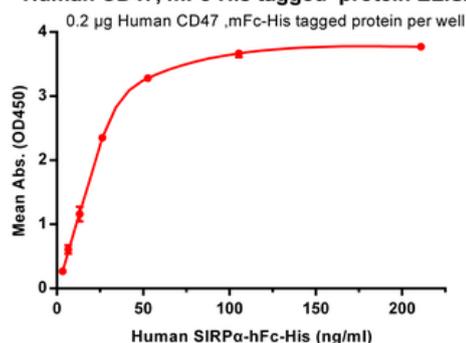
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<b>Expression System</b>	HEK293
<b>Source</b>	Mammalian
<b>Expression Region</b>	CD47(Gln19-Glu141) CD47(Val198-Ala207) CD47(Ser257-Gly268) mFc(Pro99-Lys330) 6×His tag
<b>Storage</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After 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.
<b>Note</b>	For research use only



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

#### Human CD47, mFc-His tagged protein ELISA



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human CD47, mFc-His tagged protein (orb689369) can bind its native ligand Human SIRPα, hFc-His tagged protein orb689370 in a linear range of 3.3-26.37 ng/ml.

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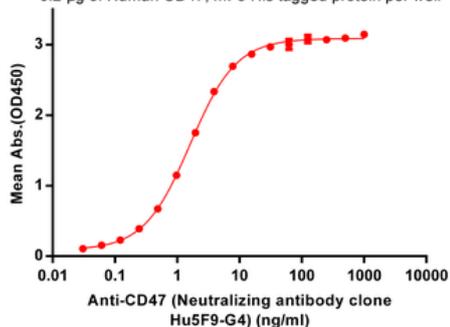
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### Human CD47, mFc-His Tagged protein ELISA

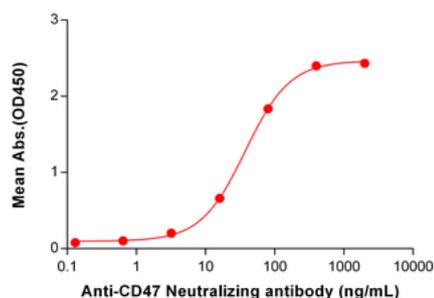
0.2 µg of Human CD47, mFc-His tagged protein per well



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human CD47, mFc-His tagged protein (orb689369) can bind Anti-CD47 (Neutralizing antibody clone Hu5F9-G4) orb689306 in a linear range of 0.061-1.606 ng/ml.

### Human CD47, mFc-His tagged protein ELISA

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



ELISA plate pre-coated by 1 µg/ml (100 µL/well) Human CD47, mFc-His tagged protein (orb689369) can bind Anti-CD47 Neutralizing antibody orb1173650 in a linear range of 3.2-80.0 ng/ml.

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