PRODUCT INFORMATION

Target	CD47
Synonyms	9130415E20Rik;AA407862;AI848868;AW108519;B430305P08Rik;IAP;Itgp
Description	Recombinant mouse CD47 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q61735
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse CD47(Gln19-Lys140) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 40.0 kDa after removal of the signal peptide.The apparent molecular mass of mCD47-hFc is approximately 55-70 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	Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and synaptic plasticity in the hippocampus. Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection (By similarity).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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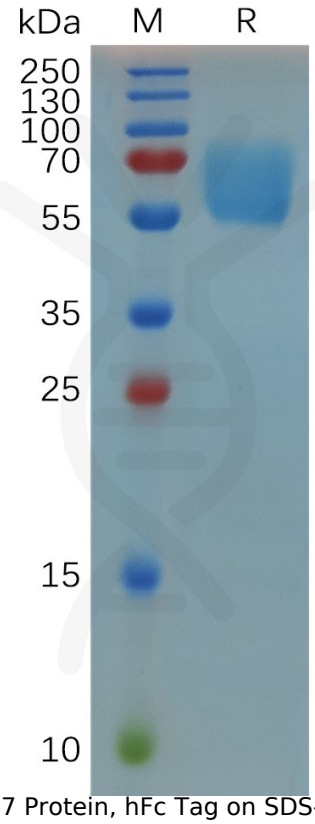


Figure 1.Mouse CD47 Protein, hFc Tag on SDS-PAGE under reducing condition.

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