

Recombinant Human CD47 Protein (Gln19-Gln141, Val198-Ala207, Ser257-Gly268), C-mFc and 6xHis-tagged

Cat. No. CD47-508H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD47 Protein (Gln19-Gln141, Val198-Ala207, Ser257-Gly268) with C-mFc and 6xHis tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Gln19-Gln141, Val198-Ala207, Ser257-Gly268
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.
Form	Lyophilized
Molecular Mass	60 kDa

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Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining.
Storage	Store at -80 centigrade for 12 months (Avoid repeated freezing and thawing)
Storage Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 15 % trehalose is added as protectants before lyophilization.

GENE INFORMATION

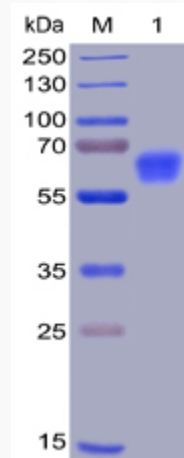
Gene Name	CD47 CD47 molecule [Homo sapiens (human)]
Official Symbol	CD47
Synonyms	CD47; CD47 molecule; CD47 antigen (Rh related antigen, integrin associated signal transducer) , MER6; leukocyte surface antigen CD47; antigen identified by monoclonal 1D8; antigenic surface determinant protein OA3; CD47 glycoprotein; IAP; integrin associated protein; OA3; Rh related antigen; Rh-related antigen; integrin-associated protein; integrin-associated signal transducer; CD47 antigen (Rh-related antigen, integrin-associated signal transducer); MER6;
Gene ID	961
mRNA Refseq	NM_001777
Protein Refseq	NP_001768
MIM	601028
UniProt ID	Q08722

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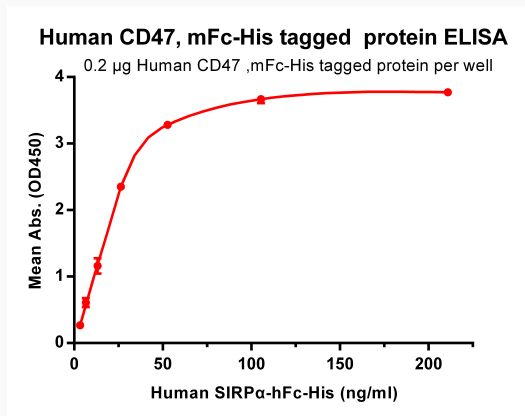
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SDS-PAGE



Activity



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