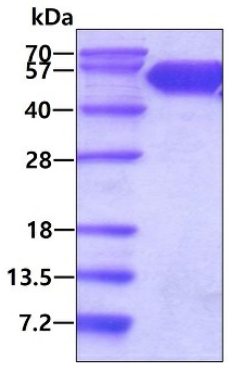
Bioactive

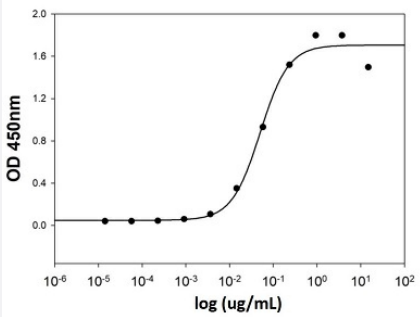
CD47 (Human) Recombinant Protein

Catalog # P7898 Size 50 ug

Applications



SDS-PAGE analysis of CD47 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD47 (Q08722, 19 a.a. - 141 a.a.) partial recombinant protein with hIgG-His tag expressed in Baculovirus.
Sequence	QLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSA KIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIELKYRVVSWFSPNELEPKSCDKT HTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLP PSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSR WQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH

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Host	Viruses
Theoretical MW (kDa)	40.9
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 1 EU/ug of protein by the LAL method.
Activity	ED_{50} < 100 ng/mL, measured by the binding ability in a functional ELISA with Human SIRP alpha/CD 172a.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of CD47 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol)
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD47

Entrez GeneID	961
Protein Accession#	Q08722
Gene Name	CD47
Gene Alias	IAP, MER6, OA3

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Gene Description	CD47 molecule
Omim ID	601028
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in memb rane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Four alternatively spliced transcript variants encoding distinct isof orms have been found for this gene. [provided by RefSeq
Other Designations	CD47 antigen|CD47 antigen (Rh-related antigen, integrin-associated signal transducer)|CD47 gly coprotein|Rh-related antigen|antigen identified by monoclonal antibody 1D8|antigenic surface det erminant protein OA3|integrin associated protein|integrin-associa

Pathway

- ECM-receptor interaction

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