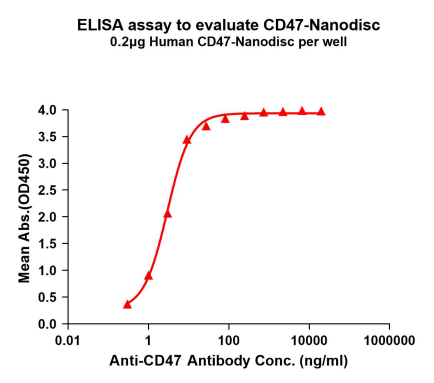
VLP/Nanodisc | Full-Length | HuPro®

CD47 (Human) Recombinant Protein

Catalog # P10774 Size 100 ug

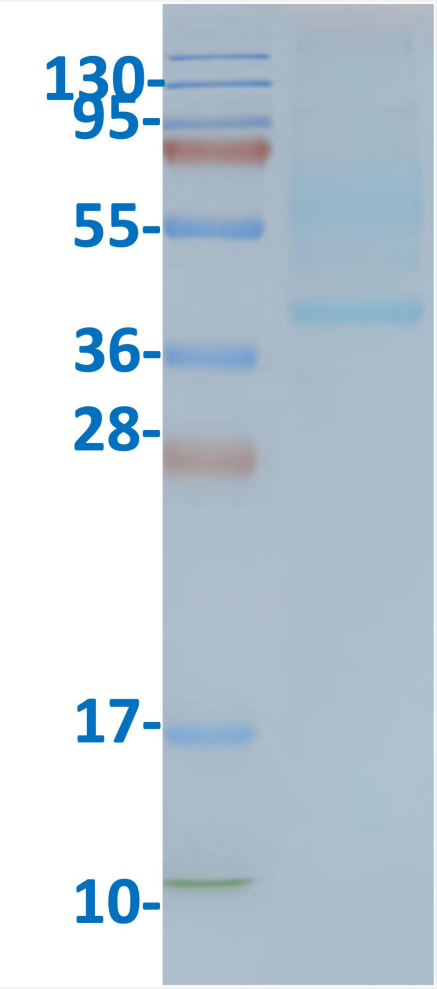
Applications



Enzyme-linked Immunoabsorbent Assay

ELISA plates were pre-coated with Flag Tag CD47-Nanodisc (0.2 ug/per well). Serial diluted anti-CD47 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-CD47 monoclonal antibody binding with CD47-Nanodisc is 2.959 ng/mL.

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SDS-PAGE

Human CD47-Nanodisc, Flag Tag on SDS-PAGE.

Specification

Product Description	Human CD47 (Q08722, 1 a.a. - 323 a.a.) full-length recombinant protein-Nanodisc.
Sequence	MWPLVAALLLGSACCGSAQLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDI YTFDGALNKSTVPTDFSSAKIEVSQLLKGDASLKMDKSDAVSHTGNYTCEVTELTREGETIIELKYR VVSWFSPNENILIVIFPIFAILLFWGQFGIKTLKYRSGGMDEKTIALLVAGLVITVIVIVGAILFVPGEYSL KNATGLGLIVTSTGILILLHYYVFSTAIGLTSFVIAILVIQVIAYILAVVGLSLCIAACIPMHGPLLISGLSILA LAQLLGLVYMKFVASNQKTIQPPRKAVEEPLNAFKESKGMMNDE
Host	Human
Theoretical MW (kDa)	35.2
Reactivity	Human
Form	Lyophilized
Conjugation	Unconjugated

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Preparation Method	Mammalian cell (HEK293) expression system
Recommend Usage	ELISA SDS-PAGE
Storage Buffer	Lyophilized from 20 mM Tris-HCl, 150 mM NaCl, pH 8.0 (5% trehalose).
Storage Instruction	Store at -20°C to -80°C for 12 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

  ELISA plates were pre-coated with Flag Tag CD47-Nanodisc (0.2 ug/per well). Serial diluted anti-CD47 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC_{50} for anti-CD47 monoclonal antibody binding with CD47-Nanodisc is 2.959 ng/mL.

- SDS-PAGE

  Human CD47-Nanodisc, Flag Tag on SDS-PAGE.

Gene Info — CD47

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

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Other Designations	CD47 antigen|CD47 antigen (Rh-related antigen, integrin-associated signal transducer)|CD47 glycoprotein|Rh-related antigen|antigen identified by monoclonal antibody 1D8|antigenic surface determinant protein OA3|integrin associated protein|integrin-associa

Pathway

- ECM-receptor interaction

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