

HUMAN CD47 FULL LENGTH PROTEIN

Cat.#: 11020

Product Name: Human CD47 Full Length Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: IAP; MER6; OA3

Target: CD47

UNIPROT ID: Q08722

Description: Human CD47 full length protein-synthetic nanodisc

Background: A membrane protein 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 membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes.

Species/Host: HEK293

Molecular Weight: The human full length CD47 protein has a MW of 35.2 kDa

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

ELISA assay to evaluate CD47-Nanodisc
0.2µg Human CD47-Nanodisc per well

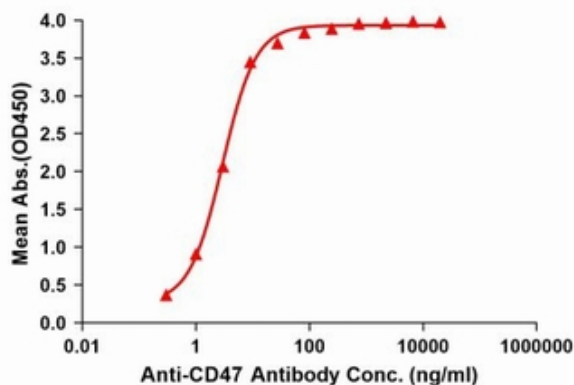


Figure1. Elisa plates were pre-coated with Flag Tag CD47-Nanodisc (0.2 µg/per well). Serial diluted anti-CD47 monoclonal antibody (28058) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD47 monoclonal antibody binding with CD47-Nanodisc is 2.959ng/ml.



Figure2. Human CD47-Nanodisc, Flag Tag on SDS-PAGE