

HUMAN ENTPD1 (CD39) FULL LENGTH PROTEIN

Cat.#: 11046

Product Name: Human ENTPD1 (CD39) Full Length Protein

Size: 10 µg; 50 µg and 100 µg

Synonyms: ATPDase;ENTPD1;NTPDase-1;SPG64

Target: CD39

UNIPROT ID: P49961

Description: Human CD39 Full Length Protein-Synthetic Nanodisc

Background: The protein is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene.

Species/Host: HEK293

Molecular Weight: The human full length CD39 protein has a MW of 58.0 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.

Protein Families: Transmembrane

Protein Pathways: Purine metabolism, Pyrimidine metabolism

ELISA assay to evaluate CD39-Nanodisc 0.2µg Human CD39-Nanodisc per well

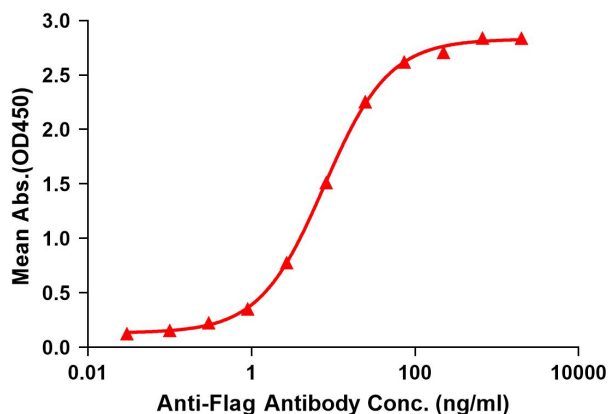


Figure 1. Elisa plates were pre-coated with Flag Tag CD39-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD39-Nanodisc is 7.763ng/ml.

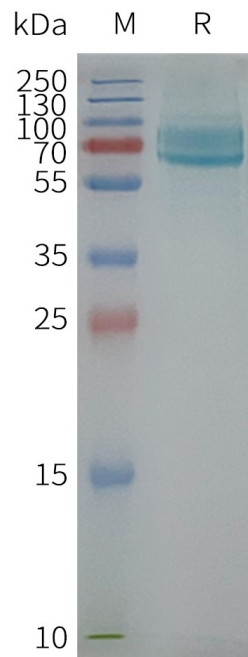


Figure 2. Human CD39-Nanodisc, Flag Tag on SDS-PAGE