

HUMAN CD37 FULL LENGTH PROTEIN

Cat.#: 11023

Product Name: Human CD37 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: GP52-40; TSPAN26

Target: CD37

UNIPROT ID: P11049

Description: Human CD37 full length protein-synthetic nanodisc

Background: The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms.

Species/Host: HEK293

Molecular Weight: The human full length CD37 protein has a MW of 31.7 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 CD37-Nanodisc
0.2µg Human CD37-Nanodisc per well

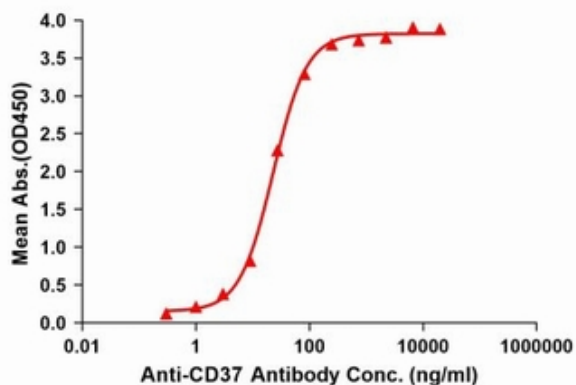


Figure1. Elisa plates were pre-coated with Flag Tag CD37-Nanodisc (0.2 µg/per well). Serial diluted anti-CD37 monoclonal antibody (28055) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD37 monoclonal antibody binding with CD37-Nanodisc is 23.06ng/ml.



Figure2. Human CD37-Nanodisc, Flag Tag on SDS-PAGE

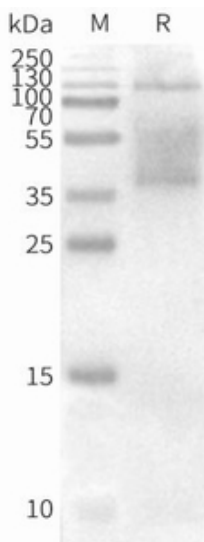


Figure3. WB analysis of Human CD37-Nanodisc with anti-CD37 monoclonal antibody (28055), followed by Goat Anti-Human IgG HRP at 1/5000 dilution