

HUMAN CD63 FULL LENGTH PROTEIN

Cat.#: 11013

Product Name: Human CD63 Full Length Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: LAMP-3; ME491; MLA1; OMA81H; TSPAN30

Target: CD63

UNIPROT ID: P08962

Description: Human CD63 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. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms.

Species/Host: HEK293

Molecular Weight: The human full length CD63 protein has a MW of 25.6 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.

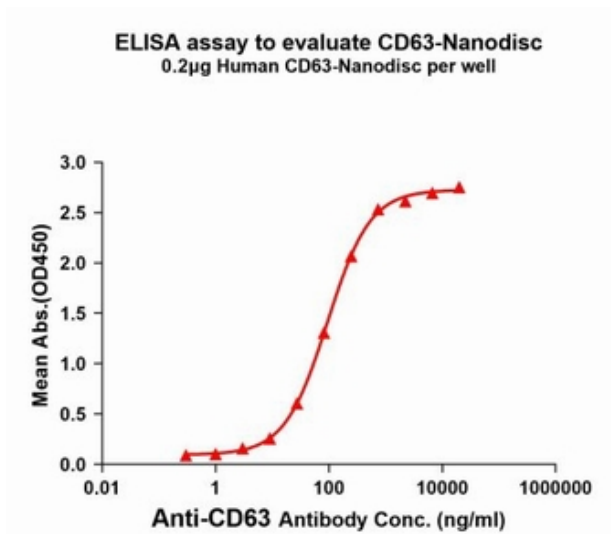


Figure1. Elisa plates were pre-coated with Flag Tag CD63-Nanodisc (0.2 µg/per well). Serial diluted anti-CD63 monoclonal antibody (28219) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD63 monoclonal antibody binding with CD63-Nanodisc is 94.22ng/ml.

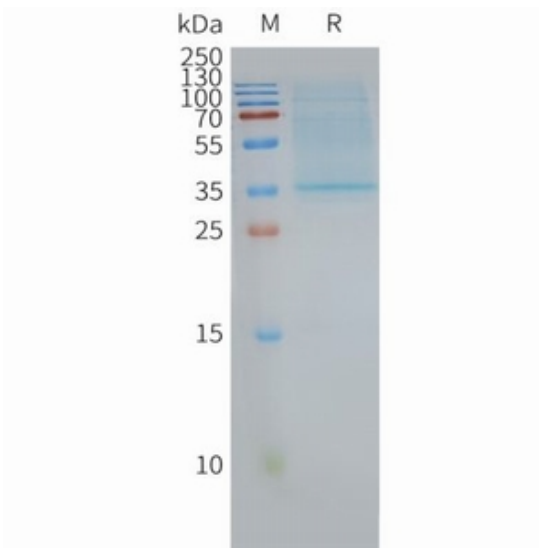


Figure2. Human CD63-Nanodisc, Flag Tag on SDS-PAGE