HUMAN CD81 FULL LENGTH PROTEIN

Cat.#: 11031
Product Name: Human CD81 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: CVID6; S5.7; TAPA1; TSPAN28
Target: CD81
UNIPROT ID: P60033
Description: Human CD81 full length protein-synthetic nanodisc
Background: The protein encoded by this gene 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. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]
Species/Host: HEK293
Molecular Weight: The human full length CD81 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.

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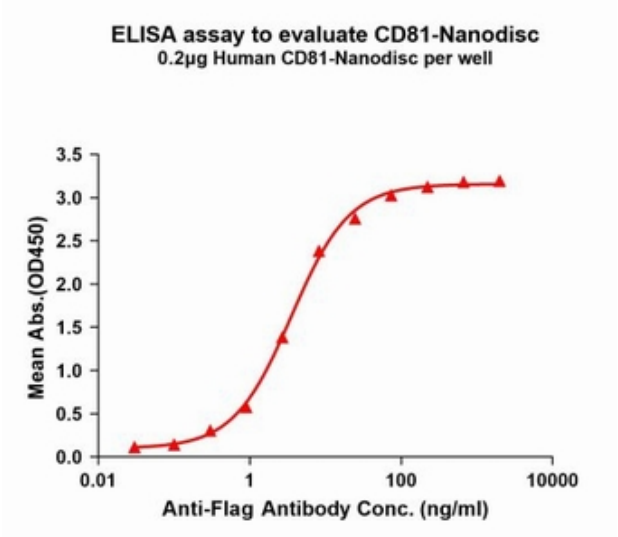

Figure1. Elisa plates were pre-coated with Flag Tag CD81-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD81-Nanodisc is 3.551ng/ml.

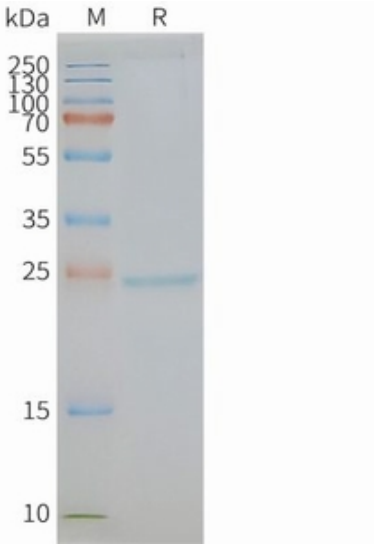

Figure2. Human CD81-Nanodisc, Flag Tag on SDS-PAGE

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