HUMAN CD151 FULL LENGTH PROTEIN

Cat.#: 11052
Product Name: Human CD151 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: GP27; MER2; PETA-3; RAPH; SFA1; TSPAN24
Target: CD151
UNIPROT ID: P48509
Description: Human CD151 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 is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene.
Species/Host: HEK293
Molecular Weight: The human full length CD151 protein has a MW of 28.3 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.

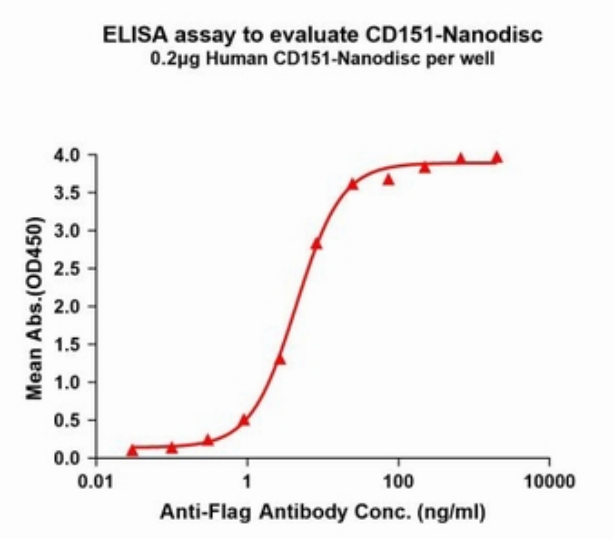

Figure1. Elisa plates were pre-coated with Flag Tag CD151-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD151-Nanodisc is 4.446ng/ml.

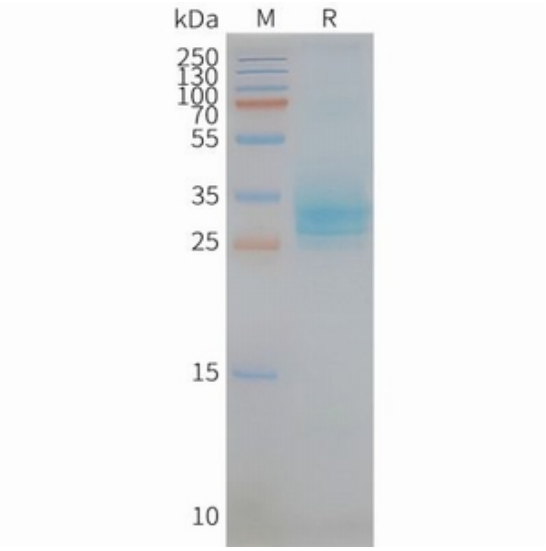

Figure2. Human CD151-Nanodisc, Flag Tag on SDS-PAGE