

## **PRODUCT INFORMATION**

Tag C-Flag Tag CD151 **Target** 

**Synonyms** GP27; MER2; PETA-3; RAPH; SFA1; TSPAN24 Human CD151 full length protein-synthetic **Description** 

nanodisc **Delivery** In Stock **Uniprot ID** P48509 **Expression Host HEK293** 

**Protein Families** Druggable Genome, Transmembrane

**Protein Pathways** 

Storage & Shipping

The human full length CD151 protein has a MW of **Molecular Weight** 

28.3 kDa 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. Please see Certificate of Analysis Formulation & for specific instructions. Do not use solvents with Reconstitution

a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. 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

témperature.

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

**Background** 

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

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described for this gene.

Usage Research use only Conjugate Unconjugated



## ELISA assay to evaluate CD151-Nanodisc 0.2µg Human CD151-Nanodisc per well

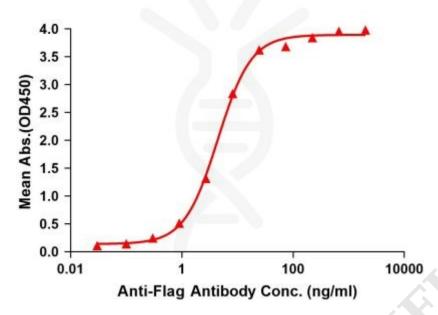


Figure 1. Elisa plates were pre-coated with Flag Tag CD151-Nanodisc ( $0.2\mu g/per$  well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CD151-Nanodisc is 4.446ng/ml.



Figure 2. Human CD151-Nanodisc, Flag Tag on SDS-PAGE

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