

PRODUCT INFORMATION

C-Flag Tag Tag

Target CD63

Synonyms LAMP-3; ME491; MLA1; OMA81H; TSPAN30 Human CD63 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** P08962 **Expression Host HEK293**

Druggable Genome, Transmembrane **Protein Families**

Protein Pathways

Storage & Shipping

Background

The human full length CD63 protein has a MW of **Molecular Weight**

25.6 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 & Reconstitution

for specific instructions. Do not use solvents with 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. 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.

Usage Research use only

Conjugate Unconjugated

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China)

/+86-400-006-0995(China)

Email: info@dimabio.com Website: www.dimabio.com





ELISA assay to evaluate CD63-Nanodisc 0.2µg Human CD63-Nanodisc per well

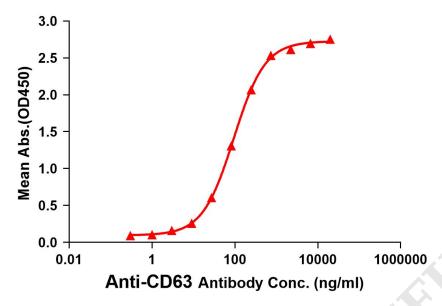


Figure 1. Elisa plates were pre-coated with Flag Tag CD63-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-CD63 monoclonal antibody (DMC100425) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD63 monoclonal antibody binding with CD63-Nanodisc is 94.22ng/ml.

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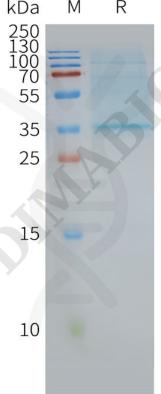


Figure 2. Human CD63-Nanodisc, Flag Tag on SDS-PAGE





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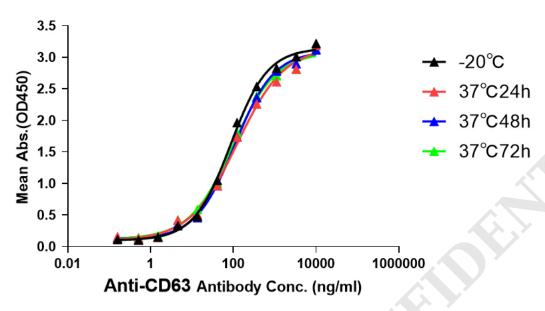


Figure 3. ELISA assay evaluating the stability of Human CD63 full-length protein in synthetic nanodiscs (SKU# FLP100030).

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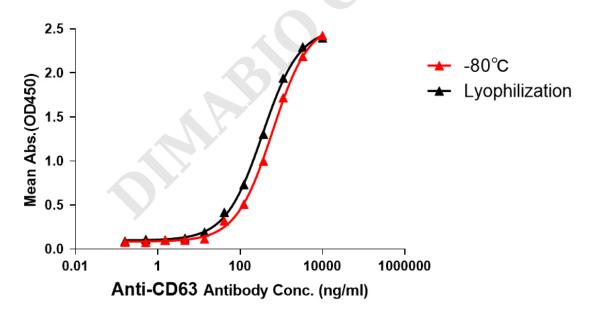


Figure 4. ELISA assay evaluating the stability of Human CD63 full-length protein in synthetic nanodiscs (SKU# FLP100030).

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