

PRODUCT INFORMATION

C-Flag Tag Tag

CD37 Target

Synonyms GP52-40; TSPAN26

Human CD37 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** P11049 **Expression Host HEK293**

Protein Families Transmembrane

Protein Pathways Hematopoietic cell lineage

The human full length CD37 protein has a MW of **Molecular Weight**

31.7 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 Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. 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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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 may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple

transcript variants encoding different isoforms.

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Usage Research use only Conjugate Unconjugated

Background





ELISA assay to evaluate CD37-Nanodisc 0.2µg Human CD37-Nanodisc per well

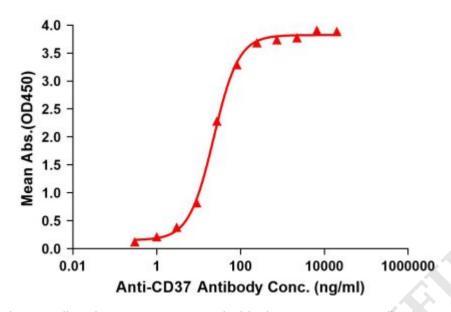


Figure 1. Elisa plates were pre-coated with Flag Tag CD37-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-CD37 monoclonal antibody (BME100046) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CD37 monoclonal antibody binding with CD37-Nanodisc is 23.06ng/ml.

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Figure 2. Human CD37-Nanodisc, Flag Tag on SDS-PAGE





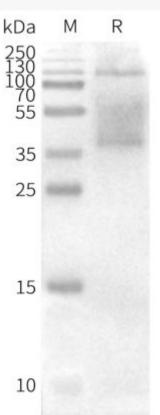


Figure 3. WB analysis of Human CD37-Nanodisc with anti-CD37 monoclonal antibody (BME100046), followed by Goat Anti-Human IgG HRP at 1/5000 dilution

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