

CD37 protein

Human CD37 full length protein-synthetic nanodisc

CATALOG #
AAA47620

HOST
HEK293

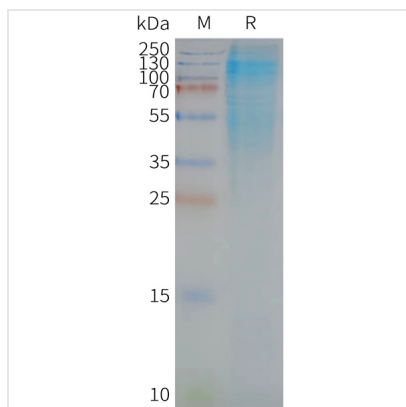
PRODUCT SYNONYMS

CD37; Human CD37 full length protein-synthetic nanodisc; GP52-40; TSPAN26; CD37 protein

PRODUCT SPECIFICATIONS

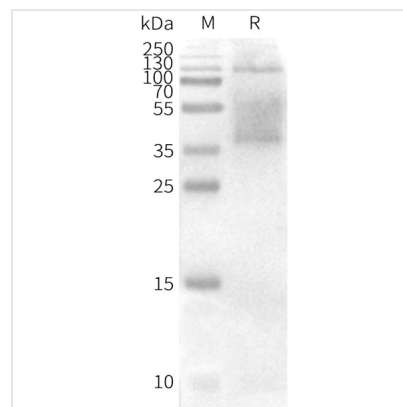
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).

IMAGES



WB (Western Blot)

Figure 1. Elisa plates were pre-coated with DYKDDDDK Tag CD37-Nanodisc (0.2ug/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.



SDS-PAGE

Figure 1. Elisa plates were pre-coated with DYKDDDDK Tag CD37-Nanodisc (0.2ug/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.

ADDITIONAL INFORMATION

Related Product Information for CD37 protein	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.
Product Categories/Family for CD37 protein	FLP 489; Full Length Transmembrane Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	91807110
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NCBI GeneID	951
NCBI Accession #	NP_001035120.1
NCBI GenBank Nucleotide #	NM_001040031.1
UniProt Accession #	P11049; Q3KPF9; B4DVC1
Molecular Weight	22,563 Da
NCBI Official Full Name	leukocyte antigen CD37 isoform B
NCBI Official Synonym Full Names	CD37 molecule
NCBI Official Symbol	CD37
NCBI Official Synonym Symbols	GP52-40; TSPAN26
NCBI Protein Information	leukocyte antigen CD37
UniProt Protein Name	Leukocyte antigen CD37
UniProt Gene Name	CD37
UniProt Synonym Gene Names	TSPAN26; Tspan-26
UniProt Entry Name	CD37_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/cd37/47620>