

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	GPRC5D
Synonyms	N/A
Description	Human GPRC5D full length protein-PeptideNanodisc
Delivery	In Stock
Uniprot ID	Q9NZD1
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length GPRC5D protein has a MW of 38.8 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. Please see Certificate of Analysis for
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.
Background	The protein is a member of the G protein-coupled receptor family. Recent studies demonstrate that GPRC5D is expressed on malignant bone marrow plasma cells, whereas normal tissue expression is limited to the hair follicle. It may represent a potential target for effector-cell-mediated therapy to treat plasma-cell disorders like MM.
Usage	Research use only
Conjugate	Unconjugated



**ELISA assay to evaluate GPRC5D-PeptiNanodisc**  
0.2µg Human GPRC5D-PeptiNanodisc per well

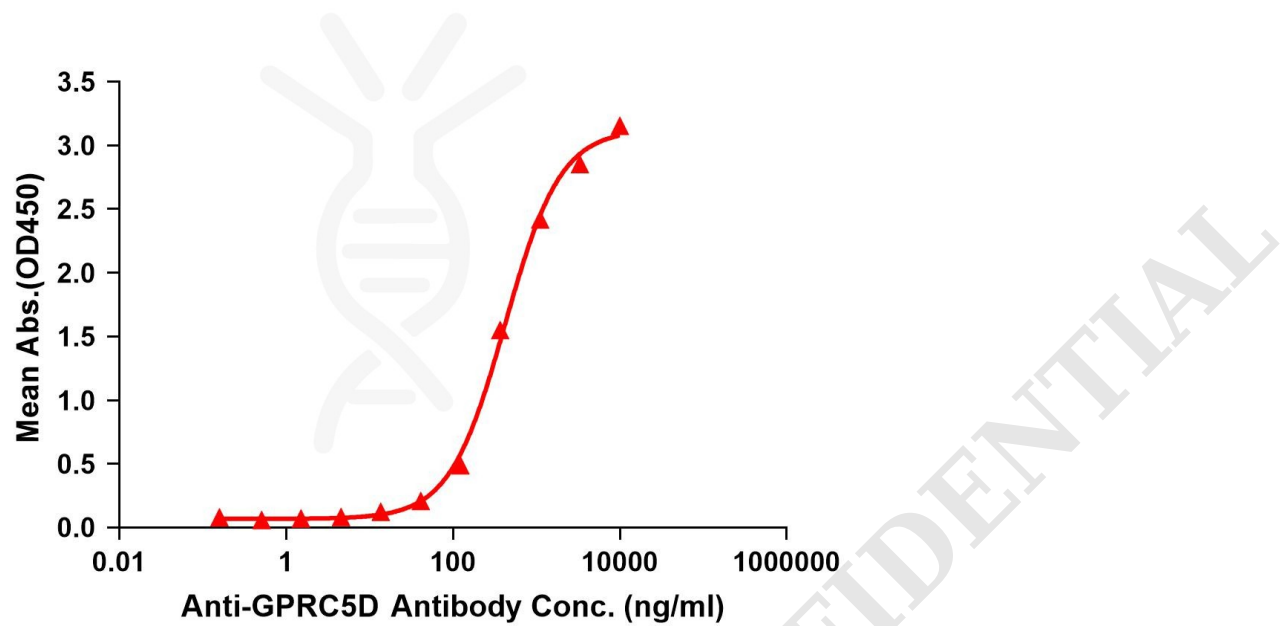


Figure 1. Elisa plates were pre-coated with Flag Tag GPRC5D-PeptiNanodisc (0.2µg/per well). Serial diluted anti-GPRC5D monoclonal antibody (DME100091) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPRC5D monoclonal antibody binding with GPRC5D-PeptiNanodisc is 423.1ng/ml.

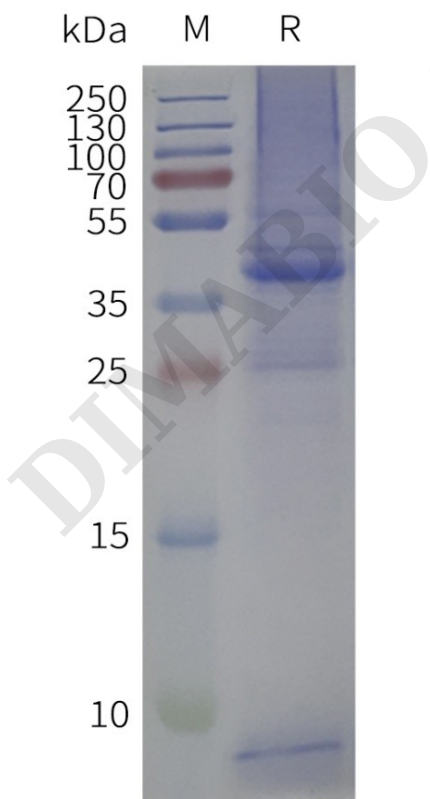


Figure 2. Human GPRC5D-PeptiNanodisc, Flag Tag on SDS-PAGE

