

# Biotinylated Human GPRC5D Protein-Nanodisc

Cat. No. GPR-HM15NB

## Description

<b>Source</b>	Recombinant Biotinylated Human GPRC5D Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Val345.
<b>Accession</b>	Q9NZD1-1
<b>Molecular Weight</b>	The protein has a predicted MW of 51.70 kDa.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

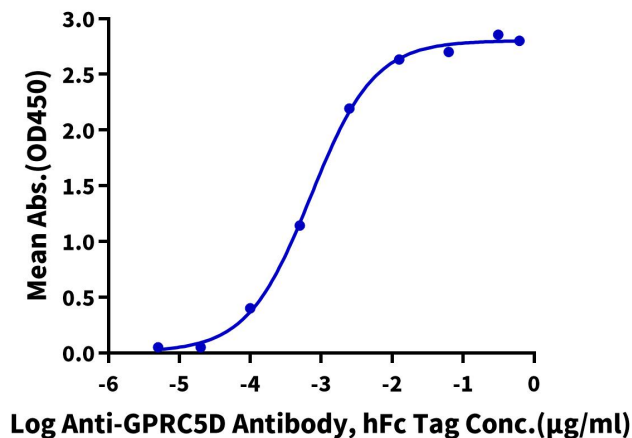
Chimeric antigen receptor (CAR) T cells, a type of cell-based immunotherapy, have shown some promising results in multiple myeloma, a bone marrow cancer. The orphan G protein-coupled receptor, class C group 5 member D (GPRC5D), normally expressed only in the hair follicle, Using quantitative immunofluorescence, we determined that GPRC5D protein is expressed on CD138 MM cells from primary marrow samples with a distribution that was similar to, but independent of, BCMA.

## Assay Data

### ELISA Data

#### Biotinylated Human GPRC5D Nanodisc, His Tag ELISA

0.5µg Biotinylated Human GPRC5D Nanodisc, His Tag Per Well



Immobilized Biotinylated Human GPRC5D Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate(5µg/ml). Dose response curve for Anti-GPRC5D Antibody, hFc Tag with the EC50 of 0.7ng/ml determined by ELISA (QC Test).