Human GPRC5D Protein-Nanodisc

Cat. No. GPR-HM15P

Description

Source	Recombinant Human GPRC5D Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Met1-Val345.
Accession	Q9NZD1-1
Molecular Weight	The protein has a predicted MW of 42.10 kDa.

Formulation and Storage

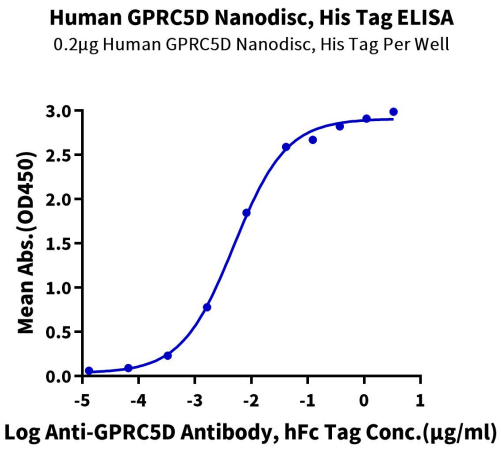
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

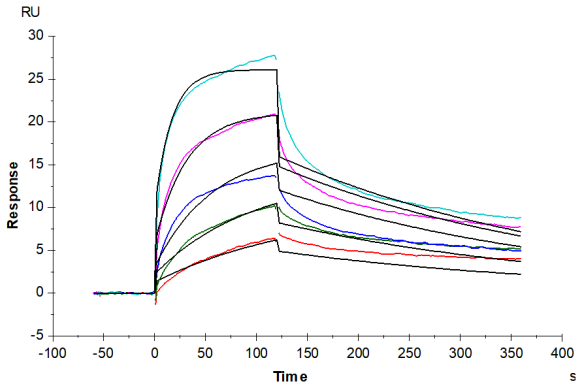
Assay Data

ELISA Data



Immobilized Human GPRC5D Nanodisc, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-GPRC5D Antibody, hFc Tag with the EC50 of 4.9ng/ml determined by ELISA (QC Test).

SPR Data



Human GPRC5D Nanodisc, His Tag captured on CM5 Chip via anti-his antibody can bind Anti-GPRC5D Antibody with an affinity constant of 1.47 nM as determined in SPR assay (Biacore T200).