

Mouse GPRC5D Protein-VLP

Cat. No. GPR-MM05P

Description

Source	Recombinant Mouse GPRC5D Protein-VLP is expressed from Expi293. It contains Met1-Leu344.
Accession	Q9JIL6-1
Molecular Weight	The protein has a predicted MW of 39.90 kDa.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

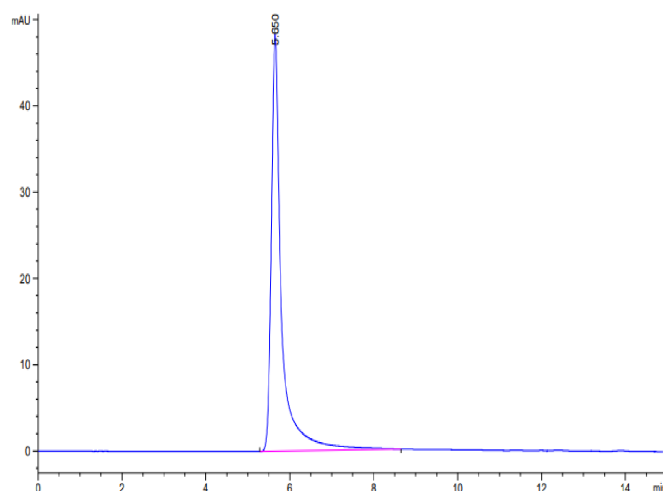
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label. Notice: If you need it for immunization, Do Not use any adjuvant.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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

SEC-HPLC

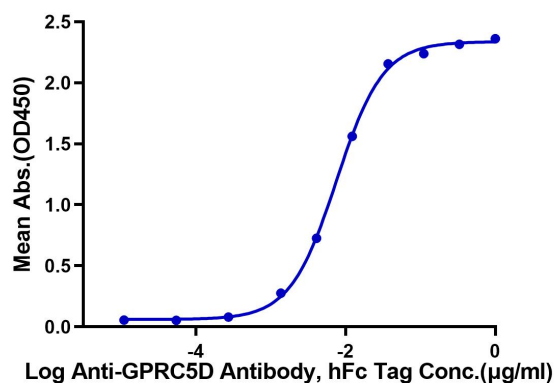


The purity of Mouse GPRC5D VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Mouse GPRC5D VLP ELISA

0.5µg Mouse GPRC5D VLP Per Well



Immobilized Mouse GPRC5D VLP (100µl/well) at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-GPRC5D Antibody, hFc Tag with the EC50 of 7.6ng/ml determined by ELISA.