

PRODUCT INFORMATION

Target	GPRC5D
Host Species	Rabbit
Description	Biotinylated Anti-GPRC5D antibody□DM61□, IgG Rabbit mAb
Delivery	In Stock
Uniprot ID	Q9NZD1
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Human
Purification	Purified from cell culture supernatant by affinity chromatography
Applications	ELISA,IHC
Recommended Dilutions	ELISA 1:5000 IHC 1:100
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Background	The protein encoded by this gene 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.
Storage & Shipping	Store at 2°C-8°C for 6 months
Usage	Research use only
Conjugate	Biotinylated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.



## Biotinylated Anti-GPRC5D(DM61)mAb ELISA

0.2 ug of Human GPRC5D, mFc tagged protein per well

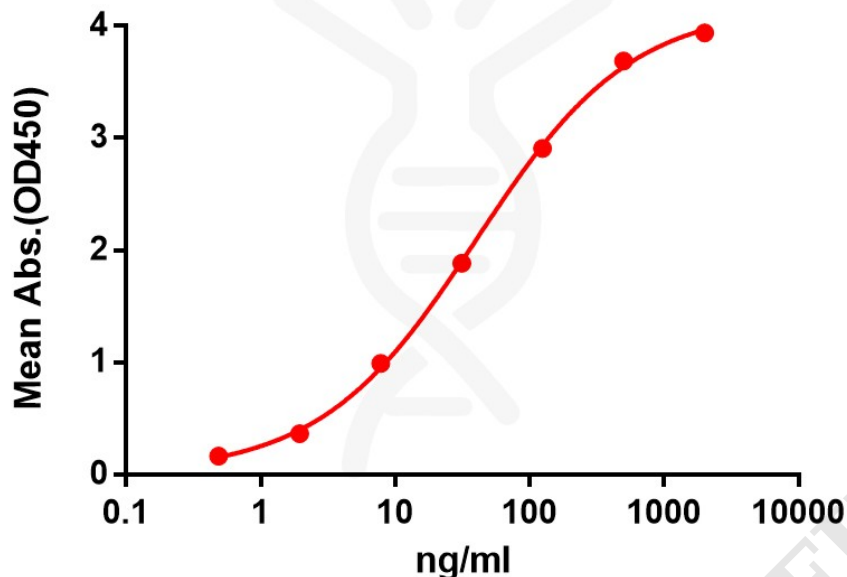


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human GPRC5D, mFc tagged protein can bind Biotinylated Anti-GPRC5D antibody(DM61) in a linear range of 0.488-2000 ng/ml

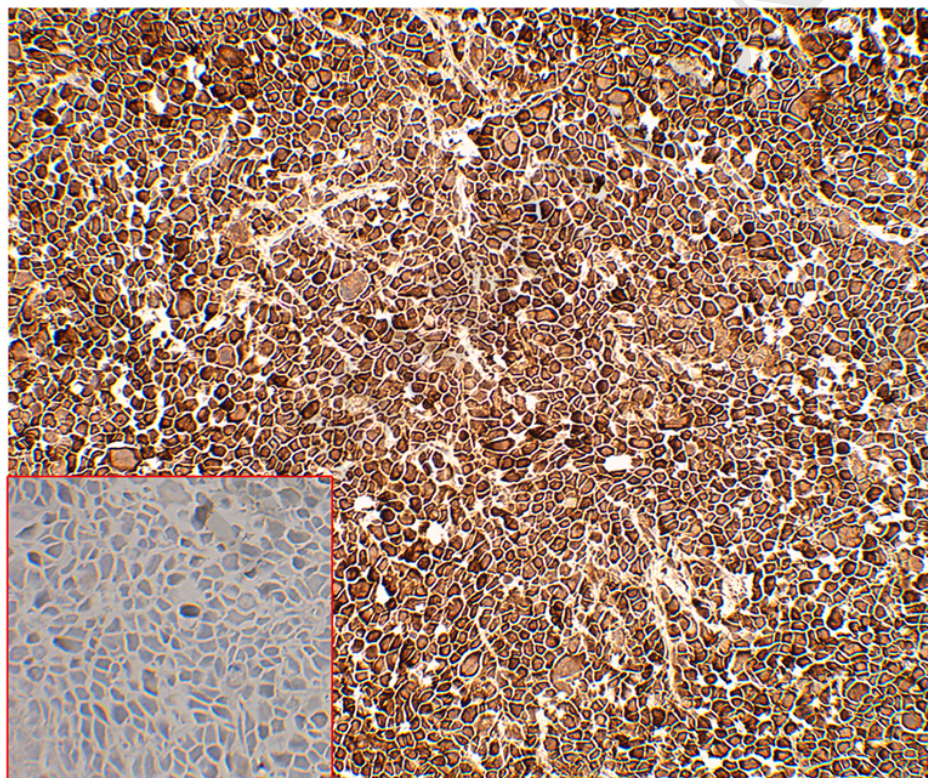


Figure 2. Immunohistochemical analysis of paraffin-embedded RPMI8226 transplanted tumor labeling biotinylated Anti-GPRC5D antibody (Cat#DME100061B) at 10 $\mu$ g/ml, followed by Streptavidin(HRP) ready to use. Membranous staining on RPMI8226 cells. Counter stained with Hematoxylin. Control: Used Anti-GPRC5D antibody (Cat#DME100061) instead of primary antibody, secondary antibody is Streptavidin (HRP) Ready to use. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.





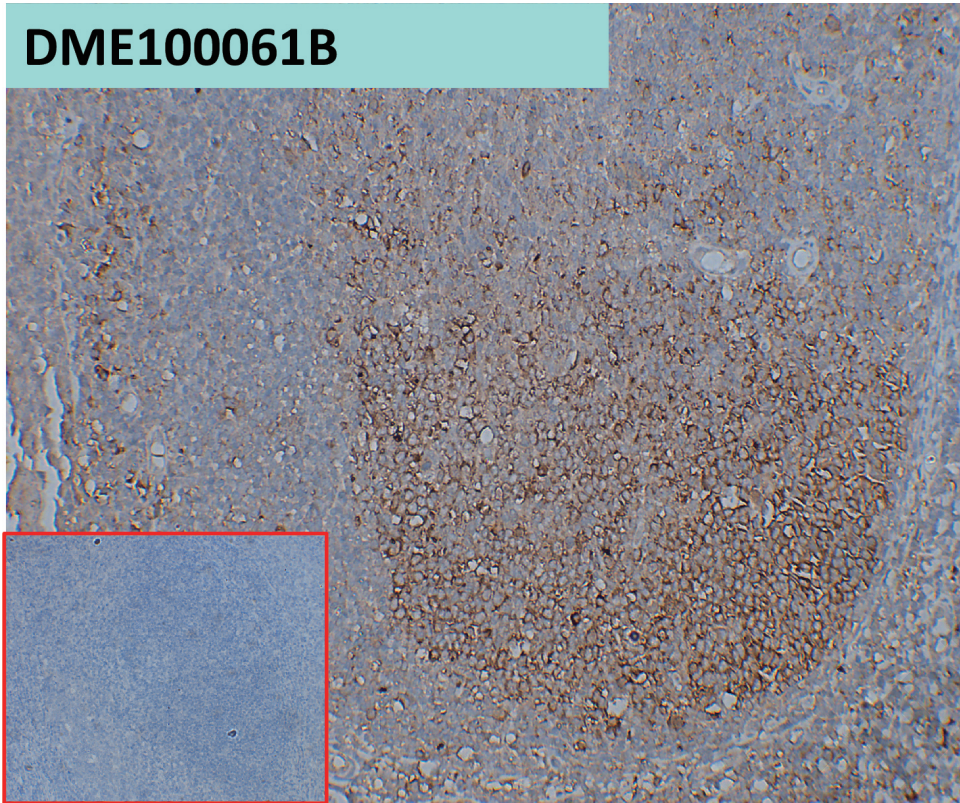


Figure 3. DME100061B at 10µg/ml staining GPRC5D in in human tonsil tissue by IHC (SKU# DME100061B)

