

## 12-9048B: Biotinylated Anti-GPRC5D antibody(DM61), Rabbit mAb

<b>Clonality :</b>	Monoclonal
<b>Application :</b>	ELISA,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	GPRC5D
<b>Uniprot ID :</b>	Q9NZD1
<b>Alternative Name :</b>	GPRC5D
<b>Isotype :</b>	IgG

### Description

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.

### Product Info

<b>Amount :</b>	10 µg / 100 µg
<b>Purification :</b>	Purified from cell culture supernatant by affinity chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	Store at 2°C-8°C for 6 months

### Application Note

ELISA 1/5000 IHC 1/100

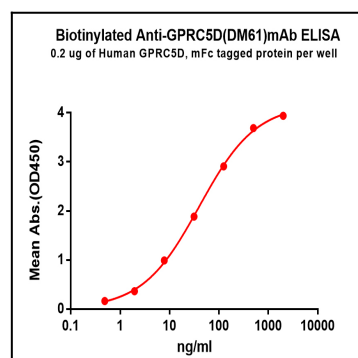


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human GPRC5D, mFc tagged protein can bind Biotinylated Anti-GPRC5D antibody(DM61) in a linear range of 0.488-2000 ng/ml

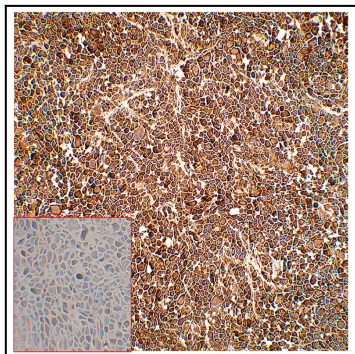


Figure 2. Immunohistochemical analysis of paraffin-embedded RPMI8226 transplanted tumor labeling biotinylated Anti-GPRC5D antibody (Cat#12-9048B) at 10µg/ml , followed by Streptavidin(HRP) ready to use. Membranous staining on RPMI8226 cells. Counter stained with Hematoxylin. Control: Used Anti-GPRC5D antibody (Cat#12-9048) 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.

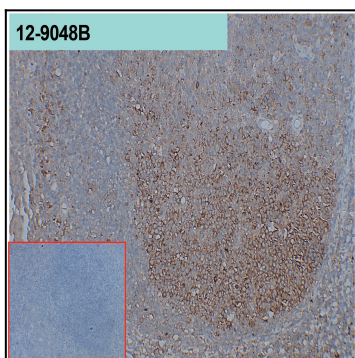


Figure 3. 12-9048B at 10µg/ml staining GPRC5D in human tonsil tissue by IHC (Cat# 12-9048B)