

Human GPRC5D Antibody

Monoclonal Mouse IgG_{2B} Clone # 571961 Catalog Number: MAB6300

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human GPRC5D in direct ELISAs. Stains human GPRC5D transfectants but not irrelevant transfectants in flow cytometry.		
Source	Monoclonal Mouse IgG _{2B} Clone # 571961		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	NS0 mouse myeloma cell line transfected with human GPRC5D Met1-Val359 Accession # Q9NZD1		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

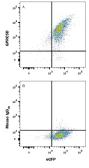
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Flow Cytometry	0.25 μg/10 ⁶ cells	See Below

DATA





Detection of GPRC5D in HEK293 Human Cell Line Transfected with Human GPRC5D and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human GPRC5D and eGFP was stained with either (A) Mouse Anti-Human GPRC5D Monoclonal Antibody (Catalog # MAB6300) or (B) Mouse IgG2B Isotype Control (Catalog # MAB0041) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

G-protein coupled receptor family C group 5 member D (GPRC5D) is a retinoic acid-inducible 40 kDa protein with seven transmembrane segments and a short N-terminal extracellular region. It is expressed in keratinizing epithelial cells, the pancreas, kidney, small intestine, spleen, and testis. Alternate splicing generates two additional isoforms with substitutions or truncations in the cytoplasmic tail. Human GPRC5D shares approximately 80% aa sequence identity with mouse and rat GPRC5D.

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