

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	0.25-1 µg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human GPRC5D and eGFP

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. ● 12 months from date of receipt, 2 to 8 °C as supplied.

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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