Human GPRC5A
Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 481906

Catalog Number: IC5239G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human GPRC5A transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 481906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPRC5A Met1-Ser357 Accession # Q8NFJ5
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	A549 human lung carcinoma cell line fixed with paraformaldehyde and permeabilized with saponin

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 A (GPRC5A), also known as Retinoic acid-induced gene 1 protein (RAIG-1), is a member of the G-protein coupled receptor 3 family. It has a molecular weight of approximately 35 kDa and contains seven transmembrane domains. Human GPRC5A shares 76% and 74% aa sequence identity with mouse and rat GPRC5A, respectively. It is expressed at high levels in fetal and adult lung and is also present in fetal kidney and adult placenta, kidney, prostate, testis, ovary, small intestine, colon, stomach, and spinal chord at lower levels.

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