Human GPR34
Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 419859

Catalog Number: IC4617U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human GPR34 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 419859
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR34 Accession # Q9UPC5
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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	A172 human glioblastoma 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

GPR34 is a widely expressed 75-90 kDa seven transmembrane segment glycoprotein. It is upregulated on microglia during inflammation and functions as a receptor for lysophosphatidyl-L-serine on mast cells to promote degranulation. Multiple isoforms of GPR34 may result from multiple translation initiation sites and alternative splicing. Human GPR34 shares 89% amino acid sequence identity with mouse and rat GPR34.

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