Human GPR39 APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 189702

Catalog Number: FAB3348A

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR39. Stains human GPR39 transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 189702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR39 Met1-Val453 Accession # BAG37409
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied 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.

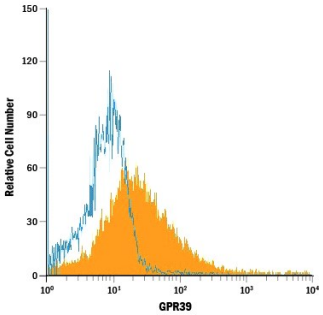
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of GPR39 in NS0 Mouse Cell Line Transfected with Human GPR39 by Flow Cytometry. NS0 mouse myeloma cell line transfected with human GPR39 was stained with Mouse Anti-Human GPR39 APC-conjugated Monoclonal Antibody (Catalog # FAB3348A, filled histogram) or isotype control antibody (Catalog # IC003A, open histogram). View our protocol for Staining Membrane-associated Proteins.

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 39 (GPR39) is a seven-transmembrane G-protein coupled glycoprotein that is a member of the Ghrelin receptor family. GPR39 is expressed in the stomach, small intestine and areas of the brain including the hypothalamus; its ligand is the Ghrelin-associated peptide, Obestatin. Obestatin decelerates gastric emptying and decreases intestinal contractility in mice, counteracting the effects of Ghrelin. GPR39 has not been shown to be internalized upon ligand binding. Extracellular loops of human GPR39 show 80% amino acid identity with mouse GPR39.

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