

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	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	NS0 mouse myeloma cell line transfected with human GPR39

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. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

G Protein-coupled Receptor 39 (GPR39) is a seven-transmembrane glycoprotein and 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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