

DESCRIPTION

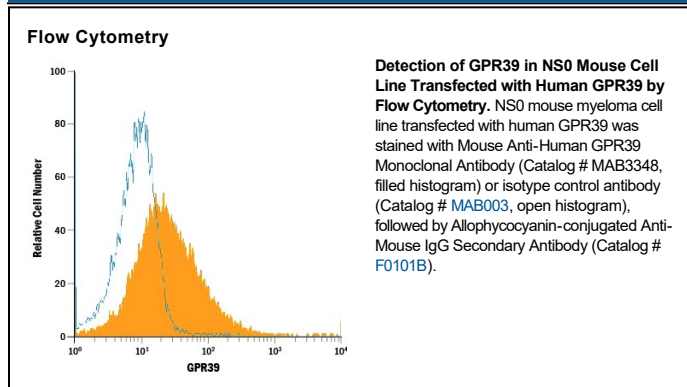
Species Reactivity	Human
Specificity	Detects human GPR39. Stains human GPR39-transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2A} Clone # 189702
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR39 Met1-Val453 Accession # BAG37409
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.