Human GPR101 Antibody

Monoclonal Mouse IgG Clone # 909603
Catalog Number: MAB7495

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR101 in Western blots.
Source	Monoclonal Mouse IgG Clone # 909603
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR101 Met1-Pro508, Accession # NP_473362
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 as a 0.2 μm filtered solution in PBS.

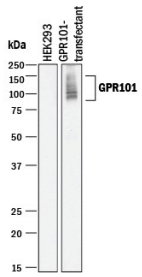
APPLICATIONS

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
Western Blot	1 µg/mL	See Below
Flow Cytometry	0.25 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.	

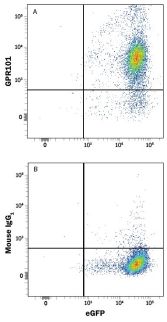
DATA

Western Blot



Detection of Human GPR101 by Western Blot. Western blot shows lysates of HEK293 human embryonic kidney cell line both non-transfected and transfected with human GPR101. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human GPR101 Monoclonal Antibody (Catalog # MAB7495) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). Specific bands were detected for GPR101 at approximately 80-130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Flow Cytometry



Detection of GPR101 in HEK293 Human Cell Line Transfected with Human GPR101 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human GPR101 and eGFP was stained with either (A) Mouse Anti-Human GPR101 Monoclonal Antibody (Catalog # MAB7495) or (B) Mouse IgG_1 Isotype Control (Catalog # MAB002) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).

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.** ● 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

GPR101 (G-protein coupled receptor 101), is a member of a family of proteins that contain seven transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. GPR101 is an orphan G protein-coupled receptor of unknown function. mRNA for this gene is detected predominantly in the brain for both human and mouse. The expression of GPR101 is altered by pregnancy and lactation in the rat.

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