Human GPR116 Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 1055815

Catalog Number: FAB112481V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Human GPR116 in Direct ELISAs. In Flow Cytometry, it detects human GPR116 in transfected cells, but not in non-transfected parental cell line.
Source	Monoclonal Mouse IgG_1 Clone # 1055815
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-expressed recombinant Human GPR116 extracellular domain. His643-Asn945 Accession # Q8IZF2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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.*

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 human cell line transfected with human GPR116.

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

GPR116, also known as Adhesion G protein-coupled receptor F5 or ADGRF5, belongs to the LN-TM7 subfamily of the G protein-coupled receptor 2 family, also known as adhesion GPCRs. It exists as a highly glycosylated disulfide-linked dimer at the cell surface. GPR116 may have a role in the regulation of acid-base balance and is also being investigated for it's involvement in adipocyte biology.

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