# biotechne

## Human GPR116 Antibody

Monoclonal Mouse IgG<sub>1</sub> Clone # 1055815 Catalog Number: MAB112481

## **R**Dsystems

Species Reactivity	Human	
Specificity	ity 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 <sub>1</sub> Clone # 1055815	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	<i>E. coli</i> -expressed recombinant Human GPR116 extracellular domain. His643-Asn945 Accession # Q8IZF2	
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	25 μg/mL	HEK293 human cell line transfected with human GPR116		

DATA		
Flow Cytometry	Detection of GPR116 in HEK293 human cell line transfected with human GPR116 by Flow Cytometry. HEK293 human cell line transfected with human GPR116 was stained with either (A) Mouse Anti-Human GPR116 Monoclonal Antibody (Catalog # MAB112481) or (B) Mouse IgG1 Isotype Control (Catalog # MAB002), followed by APC-conjugated anti- mouse IgG secondary antibody (Catalog # F0101B). Staining was performed using our Staining Membrane-associated Proteins.	
PREPARATION AND S	TORAGE	
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	<ul> <li>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</li> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>	

#### 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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**Global** bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449