

Human TGR5/GPBAR1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 409522

Catalog Number: FAB4286R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human TGR5/GPBAR1 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 409522
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TGR5/GPBAR1 Met1-Asn330 Accession # Q8TDU6
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	THP-1 human acute monocytic leukemia cell line

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

G protein coupled bile acid receptor 1 (GPBAR1), also called M-BAR, BG37 or TGR5, is a G-protein coupled receptor superfamily member that is a widely expressed cell surface receptor for bile acids. On macrophages, bile acid engagement of GPBAR1 suppresses phagocytosis and other functions. Extracellular portions of human GPBAR1 show approximately 75% amino acid identity with corresponding regions of mouse GPBAR1.

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