

Human GPR37L1 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 444532

Catalog Number: IC4449G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR37L1. Stains human GPR37L1 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2A} Clone # 444532
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR37L1 Accession # O60883
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	A172 human glioblastoma cell line fixed with paraformaldehyde and permeabilized with saponin

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

GPR37L1 (G-protein coupled receptor 37-like 1), also called ETBR-LP-2 (endothelin B receptor-like protein 2), is a 481 aa, orphan 7-transmembrane receptor with calculated molecular weight of 53 kDa. GPR37L1 is expressed in cerebellar Bergmann glia, cerebral cortex and internal capsule fibers in the central nervous system. It shows 39% aa identity with GPR37, a neuronal protein that accumulates in juvenile Parkinson's disease neurons under endoplasmic reticulum stress. GPR37L1 does not bind known endothelin B family members. The extracellular portions of human and mouse GPR37L1 share 85% aa identity.

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