

DESCRIPTION

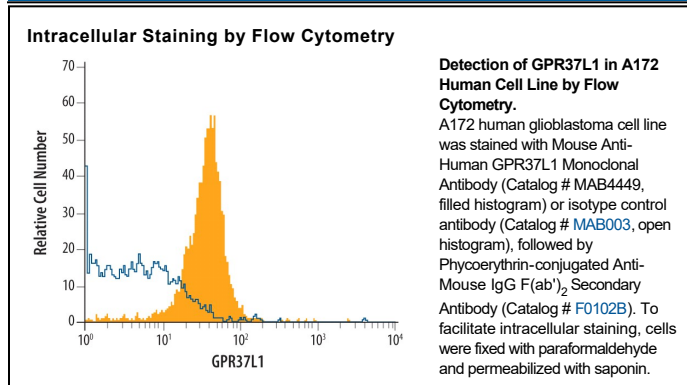
Species Reactivity	Human
Specificity	Detects human GPR37L1. Stains human GPR37L1 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2A} Clone # 444532
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR37L1 Accession # O60883
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
Intracellular Staining by 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



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. <ul style="list-style-type: none"> • 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

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.