Human GLP-2R PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 413801

Catalog Number: FAB4285P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GLP−2R. Stains human GLP-2R transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 413801
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human GLP-2R Met1-Ile553 Accession # O95838
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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.

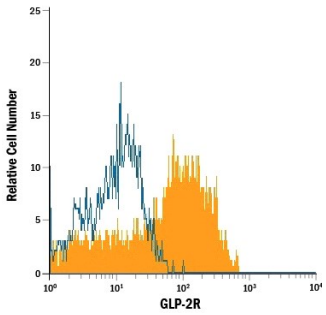
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of GLP-2R in NS0 Mouse Cell Line Transfected with Human GLP-2R by Flow Cytometry. NS0 mouse myeloma cell line transfected with human GLP-2R was stained with Mouse Anti-Human GLP-2R PE-conjugated Monoclonal Antibody (Catalog # FAB4285P, filled histogram) or isotype control antibody (Catalog # IC003P, open histogram). View our protocol for Staining Membrane-associated Proteins.

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

GLP-2R is a member of the class II glucagon-secretin G protein-coupled receptor superfamily. It is expressed on enteroendocrine cells in the gut where it mediates the positive effects of GLP2 on villus height, crypt depth and intestinal energy absorbtion. After stimulating a cAMP response, lipid raft-dependent internalization of GLP−2R results in rapid desensitization to GLP2. Extracellular portions of human GLP-2R show approximately 80% amino acid identity with corresponding regions of mouse GLP-2R.

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