Human GPR15 PE-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 367902

Catalog Number: FAB3654P

25 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human GPR15-transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2B} Clone # 367902
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR15 Met1-Leu360 Accession # P49685
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.

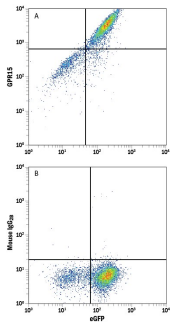
APPLICATIONS

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 GPR15 in HEK293 Human Cell Line Transfected with Human GPR15 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human GPR15 and eGFP was stained with either (A) Mouse Anti-Human GPR15 PE-conjugated Monoclonal Antibody (Catalog # FAB3654P) or (B) Mouse IgG_{2B} Phycoerythrin Isotype Control (Catalog # IC0041P). 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

GPR15, also known as BOB, is a seven-transmembrane G protein-coupled receptor that is expressed in $CD4^+$ T cells and alveolar macrophages. GPR15 functions as a cellular co-receptor for some isolates of HIV-1, HIV-2, and SIV through interactions with several viral envelope proteins. Human GPR15 shares 96%–100% amino acid sequence identity with chimpanzee, macaque, and rhesus GPR15, and 76% with mouse GPR15.

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