Human GPR15 Antibody

Monoclonal Mouse IgG_{2B} Clone # 367902

Catalog Number: MAB3654

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
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.

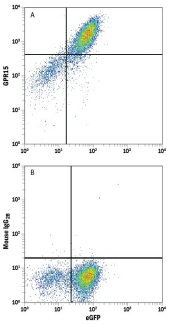
APPLICATIONS

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
Flow Cytometry	0.25 µg/10^6 cells	See Below
CyTOF-reported	Seong, Y. *et al*. (2017) JCI Insight. **2(6)**: e90233. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of GPR15 in HEK293 Human Cell Line Transfected with human GRP15 and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with human GRP15 and eGFP was stained with and either (A) Mouse Anti-Human GPR15 Monoclonal Antibody (Catalog # MAB3654) or (B) Mouse IgG_{2B} Flow Cytometry Isotype Control (Catalog # MAB0041) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).

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.** ● 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

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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