Human Cannabinoid R1/CB1/CNR1 PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 368302

Catalog Number: FAB3834P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Stains Cannabinoid R1/CB1/CNR1-transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 368302
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human Cannabinoid R1/CB1/CNR1 Met1-Leu472 Accession # NP_057167
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.

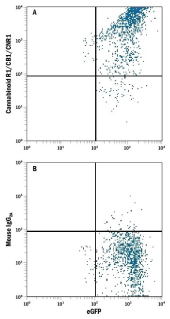
APPLICATIONS

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 Cannabinoid R1/CB1/CNR1 in NS0 Mouse Cell Line Transfected with Human Cannabinoid R1/CB1/CNR1 and eGFP by Flow Cytometry.
NS0 mouse myeloma cell line transfected with human Cannabinoid R1/CB1/CNR1 and eGFP was stained with either (A) Mouse Anti-Human Cannabinoid R1/CB1/CNR1 PE-conjugated Monoclonal Antibody (Catalog # FAB3834P) or (B) Mouse IgG_{2A} Phycoerythrin Isotype Control (Catalog # IC003P). 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

Cannabinoid R1 (CB1R) is a 60 kDa 7TM protein that belongs to the family of G protein-coupled receptors, class A. CB1R is expressed in the central nervous system and upper GI tract, in contrast to CB2R which is expressed by hematopoietic cells. CB1R mediates the behavioral and gut motility effects of cannabinoids. Human CB1R exists in three alternately spliced forms which are distinguished by N-terminal substitutions or deletions. Human CB1R shares 97% amino acid sequence identity with mouse and rat CB1R.

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