

Human Cannabinoid R2/CB2/CNR2 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 352110

Catalog Number: FAB36551G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cannabinoid R2/CB2/CNR2 in direct ELISAs. Stains human Cannabinoid R2/CB2/CNR2 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 352110
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived transfected with human Cannabinoid R2/CB2/CNR2 Met1-Cys360 Accession # NP_001832
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	HEK293 human embryonic kidney cell line transfected with human Cannabinoid R2/CB2/CNR2 and eGFP

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Cannabinoid R2 (Cannabinoid Receptor 2), also called CB2 or CNR2, is a 7TM protein that belongs to the family of G protein-coupled receptors, class A. Cannabinoid R2 is expressed in the periphery, notably by hematopoietic cells, in contrast to Cannabinoid R1 which is expressed predominantly in the central nervous system and gut. Cannabinoid R2 on lymphocytes and macrophages binds cannabinoids and modulates cytokine secretion. With the exception of their divergent C-terminal tails, human Cannabinoid R2 shares 82% amino acid sequence identity with mouse and rat Cannabinoid R2.

PRODUCT SPECIFIC NOTICES

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