

Human α -1B Adrenergic R/ADRA1B Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 471802

Catalog Number: IC4730G
100 μ g

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADRA1B. Stains human ADRA1B transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2B} Clone # 471802
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human ADRA1B Met1-Phe520 Accession # P35368
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
Intracellular Staining by Flow Cytometry	0.25-1 μ g/10 ⁶ cells	PC-3 human prostate cancer cell line fixed with paraformaldehyde and permeabilized with saponin

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

ADRA1B, also known as the α -1B-adrenergic receptor, is a 90 kDa 7TM catecholamine receptor with selectivity for epinephrine and norepinephrine. Formation of homooligomers and heterooligomers with ADRA1A enables receptor internalization following ligand binding. ADRA1B functions in diverse settings including vasoconstriction and myocardial contractility, neuronal dopaminergic responses, dendritic cell migration and inflammatory responses, and neuroendocrine regulation of fertility. Human ADRA1B shares 95% amino acid sequence identity with mouse and rat ADRA1B.

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