

Human β -3 Adrenergic R/ADRB3 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 493324

Catalog Number: FAB9419G

100 μ g

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human β -3 Adrenergic R/ADRB3 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2B} Clone # 493324
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived transfected with human β -3 Adrenergic R/ADRB3 Met1-Ser408 Accession # P13945
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 μ g/10 ⁶ cells	HEK293 human embryonic kidney cell line transfected with human β -3 Adrenergic R/ADRB3 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

ADRB3 belongs to the G protein-coupled receptor 1 family of beta adrenergic receptors. Beta-adrenergic receptors, including ADRB3, mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. ADRB3 is involved in the regulation of lipolysis and thermogenesis. A variant of ADRB3 seems to be associated with weight gain (obesity).

PRODUCT SPECIFIC NOTICES

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