

Human P2X1/P2RX1 Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 551820

Catalog Number: FAB10533U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human P2X1/P2RX1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 551820
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell, HEK293-derived transfected with human P2X1/P2RX1 Accession # P51575
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *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 Cell Line transfected with Human P2X1/P2RX1 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. 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Biologic responses to ATP, ADP, and other extracellular nucleotides are mediated by P2-nucleotide receptors belonging to 2 major classes: G protein-coupled P2Y receptors and nucleotide-gated ion channel P2X receptors. P2RX1 functions as a ligand-gated ion channel with relatively high calcium permeability. Mouse studies suggest that this receptor is essential for normal male reproductive function. The development of selective antagonists for this receptor may provide an effective non-hormonal male contraceptive pill.

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