Human P2Y11/P2RY11
Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 505214

Catalog Number: FAB9305N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Stains human P2Y11/P2RY11 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG_1 Clone # 505214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human P2Y11/P2RY11 Accession # Q96G91
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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 P2Y11/P2RY11 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

P2RY11 belongs to the family of G protein-coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. P2RY11 is coupled to the stimulation of thephosphoinositide and adenylyl cyclase pathways and behaves as a selective purinoceptor. Naturally occuring read-through transcripts,resulting from intergenic splicing between P2RY11 and an immediately upstream gene (PPAN, encoding peter pan homolog), have been found. Variants in the P2RY11 gene have been associated with narcolepsy.

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