

Human Adenosine A2a R PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 599717

Catalog Number: FAB94971P

100 Tests

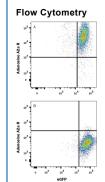
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Adenosine A2a R in direct ELISAs.		
Source	Monoclonal Mouse IgG _{2A} Clone # 599717		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	NS0 mouse myeloma cell line transfected with human Adenosine A2a R Met1-Ser412 Accession # P29274		
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm		
Formulation	Supplied 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	10 μL/10 ⁶ cells	See Below

DATA



Detection of Adenosine A2a R in HEK293 Human Cell Line Transfected with Human Adenosine A2a R and eGFP by Flow Cytometry. HEK293 human embryonic kidney cell line transfected with either (A) human Adenosine A2a R or (B) irrelevant transfectants and eGFP was stained with Mouse Anti-Human Adora A2 R PEconjugated Monoclonal Antibody (Catalog # FAB94971P). Quadrant markers were set based on control antibody staining (Catalog # IC003P). View our protocol for Staining Membrane-associated Proteins.

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

ADORA-A2 (Adenosine A2a Receptor) is a widely expressed seven transmembrane G protein-coupled receptor. Activation by adenosine leads to increased intracellular cAMP levels. ADORA-2A mediates many biological functions, including cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. ADORA-A2 has been identified as a target for therapeutic drugs for inflammation, cancer, ischemic reperfusion injury, diabetic nephropathy, infectious diseases and neuronal disorders.

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