Human Adenosine A2aR/A2bR Alexa Fluor® Plus 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 599743

Catalog Number: FAB94972AFP647

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Adenosine A2aR and human Adenosine A2bR in flow cytometry.
Source	Monoclonal Mouse IgG_{2B} Clone # 599743
Purification	Protein A or G purified
Immunogen	NS0 mouse myeloma cell line transfected with human Adenosine A2aR Met1-Ser412 Accession # P29274
Conjugate	Alexa Fluor Plus 647 Excitation Wavelength: 658 nm Emission Wavelength: 675 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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

DATA

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

Adenosine is a ubiquitous endogenous molecule that affects almost all aspects of cellular physiology. The four Adenosine G protein-coupled receptors (GPCR) A_1, A_{2A}, A_{2B}, and A_3 have been described as key metabolic and immune-checkpoint regulators implicated in the tumor escape from the host immune system becoming both, markers of pathologies, and useful targets for novel drugs. Adenosine receptors A_{2A} and A_{2B} (also known as ADORA2A and ADORA2B, respectively) have been also shown to play an important cardio-protective role.

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