

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

Monoclonal Mouse IgG_{2B} Clone # 599743

Catalog Number: FAB94972R

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 from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Adenosine A2aR Met1-Ser412 Accession # P29274
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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 Adenosine A2aR or Adenosine A2bR 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

Adenosine is a ubiquitous endogenous molecule that affects almost all aspects of cellular physiology. The four Adenosine G protein-coupled receptors (GPCR) A₁, A_{2A}, A_{2B}, and A₃ 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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