

Human Adenosine A2aR/A2bR Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 599743

Catalog Number: FAB94972U

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 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 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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