# Human Adenosine A2aR/A2bR Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse $IgG_{2B}$ Clone # 599743

Catalog Number: FAB94972S

100 µg

## DESCRIPTION

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|---|---|
| **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<br>Met1-Ser412<br>Accession # P29274 |
| **Conjugate** | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.<br><br>*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

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| **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.**<br>• 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.

## PRODUCT SPECIFIC NOTICES

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