

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Adenosine A2aR in direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 826037
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 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

Flow Cytometry Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 cells transfected with Human ADORA-2A 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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