

Human Adenosine A2b R Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2683F

Catalog Number: FAB104442R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Adenosine A2b R in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2683F
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human Adenosine A2b R synthetic peptide Accession # NP_000667
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 A2b R 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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

ADORA2B (Adenosine B2a Receptor, Adora-B2) is a widely expressed seven transmembrane G protein-coupled receptor (GPCR) activated by adenosine. Studies show that adenosine is crucial for ischemic preconditioning (IP) via its receptors ADORA1, ADORA2a and ADORA2b. All of these receptors are expressed in the myocardium and have been implicated in the role of cardioprotection during ischemia. Human and mouse Adora2B sequences are 88% identical over the full protein, but only 77% identical on the extra-cellular domains, including N-term tail and three loops.

PRODUCT SPECIFIC NOTICES

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