

Human Adenosine A2b R Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2683F Catalog Number: MAB104442

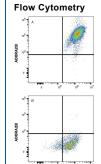
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Adenosine A2b R in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2683F
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human Adenosine A2b R synthetic peptide Accession # NP_000667
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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 μg/10 ⁶ cells	HEK293 Human Cell Line Transfected with Human Adenosine A2b R and eGFP

DATA



Detection Adenosine A2b R in HEK293 Human Cell Line Transfected with Human Adenosine A2b R and eGFP by Flow Cytometry HEK293 human embryonic kidney cell line transfected with either (A) human Adenosine A2b R or (B) irrelevant protein and eGFP was stained with Rabbit Anti-Human Adenosine A2b R Monoclonal Antibody (Catalog # MAB104442) followed by Allophycocyanin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0111). Quadrant markers were set based on Rabbit IgG control antibody (Catalog # MAB1050). Staining was performed using our Staining Membrane-associated Proteins protocol.

PREPARATION AND STORAGE	
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Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

Rev. 6/9/2021 Page 1 of 1

