

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Adenosine A2b R in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 1022311
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human Adenosine A2b R
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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

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.

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