



# Mouse Anti-Human Adenosine A2a R monoclonal antibody, clone 600828 (CABT- L3037)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Detects human Adenosine A2a R in direct ELISAs.
<b>Target</b>	Human Adenosine A2a R
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human Adenosine A2a R (AA Met1-Ser412)
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	600828
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, FC
<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Long time storage is recommended at -20°C.
<b>Ship</b>	Wet ice

# BACKGROUND

Introduction	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript composed of the upstream SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding.
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Keywords	ADORA2A;adenosine A2a receptor;A2aR;RDC8;ADORA2;adenosine receptor A2a;adenosine receptor subtype A2a;
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# GENE INFORMATION

Synonyms	A2aR; adenosine A2 receptor; Adenosine A2a R; adenosine A2a receptor; Adenosine A2aR; adenosine receptor A2a; adenosine receptor subtype A2a; ADORA 2; ADORA2; ADORA2A; hA2aR; RDC8
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Entrez Gene ID	<a href="#">135</a>
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