

Human Adenosine Receptor A2a (ADORA2A) ELISA Kit | ADORA2A elisa kit

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CATALOG #
AAA331130

REACTIVITY
Human

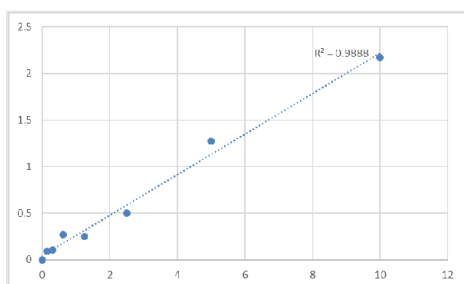
PRODUCT SYNONYMS

Adenosine Receptor A2a (ADORA2A); Human Adenosine Receptor A2a (ADORA2A) ELISA Kit; ADORA2A; ADORA2; RDC8; hA2aR; adenosine A2 receptor; adenosine receptor subtype A2a; ADORA2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adenosine receptor A2a (ADORA2A) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADORA2A. No significant cross-reactivity or interference between Human ADORA2A and analogues was observed.
Sequence Length	412
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Adenosine receptor A2a (ADORA2A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADORA2A elisa kit	Description: This Human Adenosine receptor A2a (ADORA2A) ELISA Kit employs a two-site sandwich ELISA to quantitate ADORA2A in samples. An antibody specific for ADORA2A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADORA2A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADORA2A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADORA2A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADORA2a is a member of the G protein-coupled receptor (GPCR) family which possess seven transmembrane alpha helices. The crystallographic structure of the adenosine A2A receptor PDB 3EML (see figure to the right) reveals a ligand binding pocket distinct from that of other structurally determined GPCRs. Adenosine A2a Receptor is one of several receptor subtypes for adenosine. The activity of the encoded protein, a G protein-coupled receptor family member, is mediated by G proteins which activate adenylyl cyclase. The encoded protein is abundant in basal ganglia, vasculature and platelets and it is a major target of caffeine. As with the A1, the A2A receptors are believed to play a role in regulating myocardial oxygen consumption and coronary blood flow.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5921992
NCBI GeneID	135
NCBI Accession #	NP_000666.2
NCBI GenBank Nucleotide #	NP_000666.2
UniProt Accession #	P29274
NCBI Official Full Name	adenosine receptor A2a
NCBI Official Synonym Full Names	adenosine A2a receptor
NCBI Official Symbol	ADORA2A
NCBI Official Synonym Symbols	A2aR; RDC8; ADORA2
NCBI Protein Information	adenosine receptor A2a
UniProt Protein Name	Adenosine receptor A2a
UniProt Gene Name	ADORA2A
UniProt Synonym Gene Names	ADORA2
UniProt Entry Name	AA2AR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/adenosine-receptor-a2a-adora2a/331130>