

Mouse Adenosine receptor A2a (ADORA2A) ELISA Kit | ADORA2A elisa kit

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CATALOG #
AAA246563

REACTIVITY
Mouse

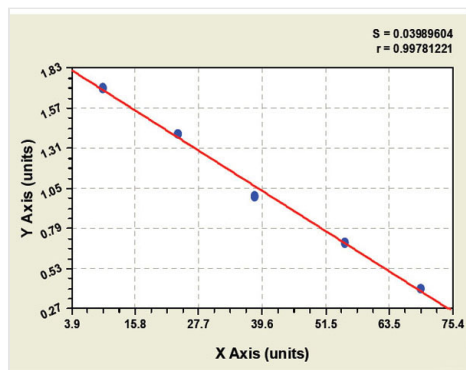
PRODUCT SYNONYMS

Adenosine receptor A2a (ADORA2A); Mouse Adenosine receptor A2a (ADORA2A) ELISA Kit; ADORA2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ADORA2a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ADORA2a. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADORA2A elisa kit

Principle of the Assay: ADORA2a ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADORA2a antibody and an ADORA2a-HRP conjugate. The assay sample and buffer are incubated together with ADORA2a-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ADORA2a concentration since ADORA2a from samples and ADORA2a-HRP conjugate compete for the anti-ADORA2a antibody binding site. Since the number of sites is limited, as more sites are occupied by ADORA2a from the sample, fewer sites are left to bind ADORA2a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADORA2a concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	511772972
NCBI GeneID	135
NCBI Accession #	NP_001265429.1
NCBI GenBank Nucleotide #	NM_001278500.1
Molecular Weight	44,707 Da
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; adenosine receptor subtype 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.