

Human A2b/ADORA2B (Adenosine A2b Receptor) ELISA Kit | A2b/ADORA2B elisa kit

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CATALOG #
AAA248806

REACTIVITY
Human

PRODUCT SYNONYMS

A2b/ADORA2B (Adenosine A2b Receptor); Human A2b/ADORA2B (Adenosine A2b Receptor) ELISA Kit; A2b/ADORA2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of A2b/ADORA2B. No significant cross-reactivity or interference between A2b/ADORA2B and analogues was observed.
Sequence Length	49
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level A2b/ADORA2B were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level A2b/ADORA2B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a A2b/ADORA2B ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.119	0.189	0.231	0.44	0.621	1.104	1.732	2.007

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A2b/ADORA2B elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-A2b/ADORA2B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-A2b/ADORA2B antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the A2b/ADORA2B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of A2b/ADORA2B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85700238
NCBI GeneID	136
Molecular Weight	36,333 Da
NCBI Official Full Name	adenosine A2b receptor, partial
NCBI Official Synonym Full Names	adenosine A2b receptor
NCBI Official Symbol	ADORA2B
NCBI Official Synonym Symbols	ADORA2
NCBI Protein Information	adenosine receptor A2b
UniProt Protein Name	Adenosine receptor A2b
UniProt Gene Name	ADORA2B

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/a2b-adora2b-adenosine-a2b-receptor/248806>