

Human Alpha 2A adrenergic receptor (ADRA2A) ELISA Kit | ADRA2A elisa kit

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CATALOG #
AAA246955

REACTIVITY
Human

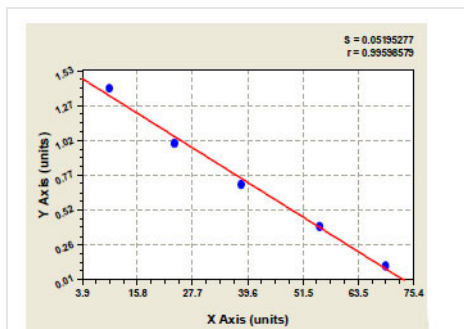
PRODUCT SYNONYMS

Alpha 2A adrenergic receptor (ADRA2A); Human Alpha 2A adrenergic receptor (ADRA2A) ELISA Kit; ADRA2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRA2A. No significant cross-reactivity or interference between ADRA2A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADRA2A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADRA2A elisa kit	Intended Uses: This ADRA2A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADRA2A. This ELISA kit for research use only! Principle of the Assay: ADRA2A ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ADRA2A antibody and an ADRA2A-HRP conjugate. The assay sample and buffer are incubated together with ADRA2A-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 ADRA2A concentration since ADRA2A from samples and ADRA2A-HRP conjugate compete for the anti-ADRA2A antibody binding site. Since the number of sites is limited, as more sites are occupied by ADRA2A from the sample, fewer sites are left to bind ADRA2A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADRA2A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ADRA2A elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	194353970
NCBI GeneID	150
NCBI Accession #	NP_000672.3
NCBI GenBank Nucleotide #	NM_000681.3
Molecular Weight	48,957 Da
NCBI Official Full Name	alpha-2A adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2A
NCBI Official Symbol	ADRA2A
NCBI Official Synonym Symbols	ADRA2; ADRAR; ZNF32; ADRA2R; ALPHA2AAR
NCBI Protein Information	alpha-2A adrenergic receptor; alpha-2A adrenoceptor; alpha-2AAR subtype C10; alpha-2A adrenoreceptor; adrenergic, alpha-2A-, receptor; alpha-2 adrenergic receptor subtype C10; alpha-2-adrenergic receptor, platelet type
UniProt Protein Name	Alpha-2A adrenergic receptor
UniProt Gene Name	ADRA2A
UniProt Synonym Gene Names	ADRA2R; ADRAR; Alpha-2A adrenoceptor; Alpha-2AAR
UniProt Entry Name	ADA2A_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.