

Rat Adrenergic Receptor, Alpha 1A ELISA Kit | ADRalpha1A elisa kit

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CATALOG #
AAA83534

REACTIVITY
Rat

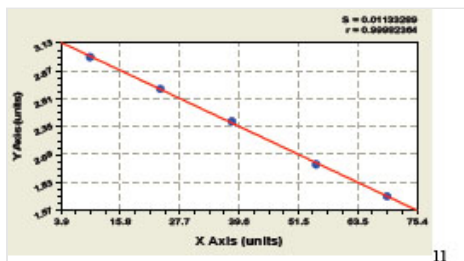
PRODUCT SYNONYMS

Adrenergic Receptor; Alpha 1A; Rat Adrenergic Receptor; Alpha 1A ELISA Kit; ADRalpha1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for
ADRalpha1A elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This ADR?1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADR?1A. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY ADR?1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADR?1A antibody and an ADR?1A-HRP conjugate. The assay sample and buffer are incubated together with ADR?1A-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 ADR?1A concentration since ADR?1A from samples and ADR?1A-HRP conjugate compete for the anti-ADR?1A antibody binding site. Since the number of sites is limited, as more sites are occupied by ADR?1A from the sample, fewer sites are left to bind ADR?1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADR?1A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for
ADRalpha1A elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7690135
NCBI GeneID	146
Molecular Weight	60,463 Da
NCBI Official Full Name	alpha adrenergic receptor subtype alpha 1a
NCBI Official Synonym Full Names	adrenoceptor alpha 1D
NCBI Official Symbol	ADRA1D
NCBI Official Synonym Symbols	DAR; ADRA1; ADRA1A; ADRA1R; ALPHA1; dJ779E11.2
NCBI Protein Information	alpha-1D adrenergic receptor; alpha-1D adrenoceptor; alpha-1D adrenoreceptor; alpha-1A adrenergic receptor; alpha-1D-adrenergic receptor; alpha-adrenergic receptor 1a; adrenergic, alpha-1A-, receptor; adrenergic, alpha-1D-, receptor; adrenergic, alpha -1D-, receptor
UniProt Protein Name	Alpha-1D adrenergic receptor
UniProt Gene Name	ADRA1D
UniProt Synonym Gene Names	ADRA1A; Alpha-1D adrenoceptor
UniProt Entry Name	ADA1D_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/adralpha1a-rat-elisa-kits/adrenergic-receptor-alpha-1a/83534>