

Rat Alpha-1A adrenergic receptor ELISA Kit | Adra1a elisa kit

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CATALOG #
AAA99243

REACTIVITY
Rat

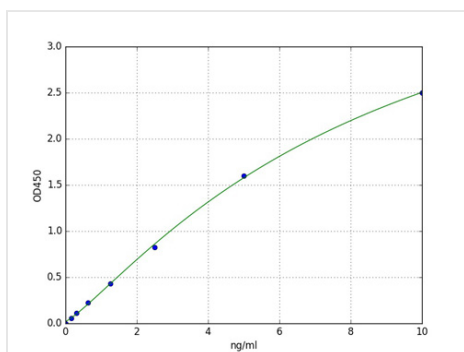
PRODUCT SYNONYMS

Alpha-1A adrenergic receptor; Rat Alpha-1A adrenergic receptor ELISA Kit; Adra1a/Adrenergic Receptor alpha-1A/ADRA1C/ADRA1L1/ALPHA1AAR/Alpha-1A adrenergic receptor/Alpha-adrenergic receptor 1c/Alpha-1A adrenoreceptor/Alpha-1C adrenergic receptor; Adra1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	466
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
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Adra1a 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	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.084	0.123	0.162	0.249	0.433	0.849	1.520	1.884

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Adra1a elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Adra1a antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Adra1a 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 Rat Adra1a amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Adra1a can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	307938299
NCBI GeneID	403866
NCBI Accession #	NP_001182772.1
NCBI GenBank Nucleotide #	NM_001195843.1
Molecular Weight	32,254 Da
NCBI Official Full Name	alpha-1A adrenergic receptor
NCBI Official Symbol	ADRA1A
NCBI Official Synonym Symbols	ADRA1C; ALPHA-1A
NCBI Protein Information	alpha-1A adrenergic receptor
UniProt Protein Name	Alpha-1A adrenergic receptor
UniProt Gene Name	ADRA1A
UniProt Synonym Gene Names	ADRA1C; Alpha-1A adrenoceptor
UniProt Entry Name	ADA1A_CANLF

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/adra1a-rat-elisa-kits/alpha-1a-adrenergic-receptor/99243>