

Human Adrenergic alpha-1A Receptor (ADRA1A) ELISA Kit | ADRA1A elisa kit

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CATALOG #
AAA331133

REACTIVITY
Human

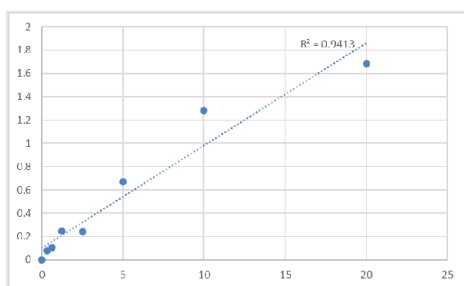
PRODUCT SYNONYMS

Adrenergic alpha-1A Receptor (ADRA1A); Human Adrenergic alpha-1A Receptor (ADRA1A) ELISA Kit; ADRA1A; ADRA1C; ADRA1L1; ALPHA1AAR; G protein coupled receptor; adrenergic; alpha-1A-; receptor; receptor variant 1; receptor variant 3; rec; ADRA1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Adrenergic alpha-1A receptor (ADRA1A) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRA1A. No significant cross-reactivity or interference between Human ADRA1A and analogues was observed.
Sequence Length	466
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Adrenergic alpha-1A receptor (ADRA1A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRA1A elisa kit	Description: This Human Adrenergic alpha-1A receptor (ADRA1A) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRA1A in samples. An antibody specific for ADRA1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRA1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRA1A is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADRA1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The alpha 1c- Adrenergic Receptor, also known as alpha 1a-adrenoceptor, is activated by epinephrine and norepinephrine. This receptor mediates calcium release upon ligand binding. The alpha 1-c adrenoceptor is one of three subtypes of alpha 1-adrenergic receptor (alpha 1 c/a, alpha 1b, and alpha 1d). The alpha 1c receptor couples to phospholipase C via a GTP-binding protein insensitive to pertussis toxin. Three isoforms are generated by alternative splicing. However, the corresponding isoforms of the protein have similar ligand-binding properties, effector coupling, and tissue distribution. Expression of this receptor has been reported in prostate, liver, kidney, heart, brain, spinal cord, bladder, and various blood vessels. ESTs have been isolated from liver and testis libraries.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111118992
NCBI GeneID	148
NCBI Accession #	NP_000671.2
NCBI GenBank Nucleotide #	NP_000671.2
UniProt Accession #	P35348
NCBI Official Full Name	alpha-1A adrenergic receptor isoform 1
NCBI Official Synonym Full Names	adrenoceptor alpha 1A
NCBI Official Symbol	ADRA1A
NCBI Official Synonym Symbols	ADRA1C; ADRA1L1; ALPHA1AAR
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_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/adrenergic-alpha-1a-receptor-adra1a/331133>