

Human Alpha-2C Adrenergic Receptor (ADRA2C) ELISA Kit | ADRA2C elisa kit

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CATALOG #
AAA331134

REACTIVITY
Human

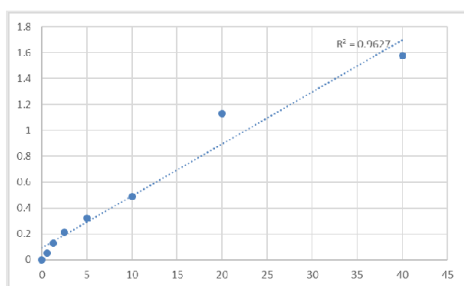
PRODUCT SYNONYMS

Alpha-2C Adrenergic Receptor (ADRA2C); Human Alpha-2C Adrenergic Receptor (ADRA2C) ELISA Kit; ADRA2C; ADRA2L2; ADRA2RL2; ADRARL2; ALPHA2CAR; alpha-2C-adrenergic receptor; alpha2-AR-C4; ADRA2C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alpha-2C adrenergic receptor (ADRA2C) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRA2C. No significant cross-reactivity or interference between Human ADRA2C and analogues was observed.
Sequence Length	462
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 Alpha-2C adrenergic receptor (ADRA2C) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRA2C elisa kit	Description: This Human Alpha-2C adrenergic receptor (ADRA2C) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRA2C in samples. An antibody specific for ADRA2C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRA2C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRA2C 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 ADRA2C bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Alpha-2-adrenergic receptors include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Studies in mouse revealed that both the alpha2A and alpha2C subtypes were required for normal presynaptic control of transmitter release from sympathetic nerves in the heart and from central noradrenergic neurons; the alpha2A subtype inhibited transmitter release at high stimulation frequencies, whereas the alpha2C subtype modulated neurotransmission at lower levels of nerve activity. ADRA2C encodes the alpha2C subtype, which contains no introns in either its coding or untranslated sequences.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71773208
NCBI GeneID	152
NCBI Accession #	NP_000674.2
NCBI GenBank Nucleotide #	NP_000674.2
UniProt Accession #	P18825
NCBI Official Full Name	alpha-2C adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2C
NCBI Official Symbol	ADRA2C
NCBI Official Synonym Symbols	ADRA2L2; ADRARL2; ADRA2RL2; ALPHA2CAR
NCBI Protein Information	alpha-2C adrenergic receptor
UniProt Protein Name	Alpha-2C adrenergic receptor
UniProt Gene Name	ADRA2C
UniProt Synonym Gene Names	ADRA2L2; ADRA2RL2; Alpha-2C adrenoceptor; Alpha-2CAR
UniProt Entry Name	ADA2C_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/alpha-2c-adrenergic-receptor-adra2c/331134>