

Human Beta-1 Adrenergic Receptor (ADRB1) ELISA Kit | ADRB1 elisa kit

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CATALOG #
AAA331135

REACTIVITY
Human

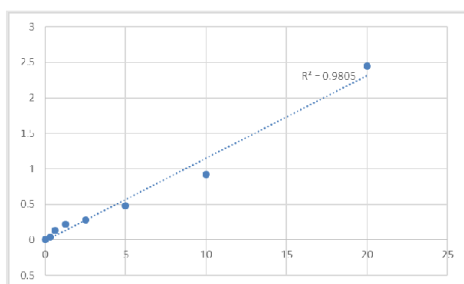
PRODUCT SYNONYMS

Beta-1 Adrenergic Receptor (ADRB1); Human Beta-1 Adrenergic Receptor (ADRB1) ELISA Kit; ADRB1; ADRB1R; B1AR; BETA1AR; RHR; beta-1-adrenergic receptor; ADRB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Beta-1 adrenergic receptor (ADRB1) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRB1. No significant cross-reactivity or interference between Human ADRB1 and analogues was observed.
Sequence Length	467
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 Beta-1 adrenergic receptor (ADRB1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRB1 elisa kit	Description: This Human Beta-1 adrenergic receptor (ADRB1) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRB1 in samples. An antibody specific for ADRB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRB1 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 ADRB1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The beta-1 adrenergic receptor is a beta-adrenergic receptor. The adrenergic receptors (or adrenoceptors) are a class of G protein-coupled receptors that are targets of the catecholamines, especially noradrenaline (norepinephrine) and adrenaline (epinephrine). Although dopamine is a catecholamine, its receptors are in a different category. Many cells possess these receptors, and the binding of an agonist will generally cause a sympathetic response (i.e. the fight-or-flight response). For instance, the heart rate will increase and the pupils will dilate, energy will be mobilized, and blood flow diverted from other non-essential organs to skeletal muscle. Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34850746
NCBI GeneID	281604
NCBI Accession #	NP_919242.1
NCBI GenBank Nucleotide #	NP_919242.1
UniProt Accession #	Q9TT96
NCBI Official Full Name	beta-1 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 1
NCBI Official Symbol	ADRB1
NCBI Protein Information	beta-1 adrenergic receptor
UniProt Protein Name	Beta-1 adrenergic receptor
UniProt Gene Name	ADRB1
UniProt Synonym Gene Names	Beta-1 adrenoceptor
UniProt Entry Name	ADRB1_BOVIN

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.