

Human Beta-2 Adrenergic Receptor (ADRB2) ELISA Kit | ADRB2 elisa kit

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CATALOG #
AAA331136

REACTIVITY
Human

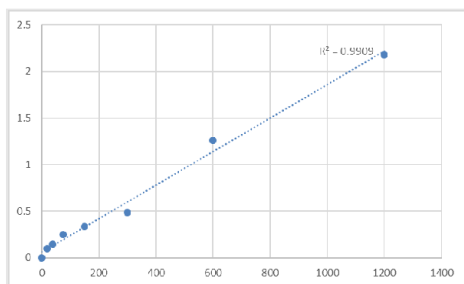
PRODUCT SYNONYMS

Beta-2 Adrenergic Receptor (ADRB2); Human Beta-2 Adrenergic Receptor (ADRB2) ELISA Kit; ADRB2; ADRB2R; ADRBR; B2AR; BAR; BETA2AR; beta-2 adrenergic receptor; beta-2 adrenoceptor; catecholamine receptor; ADRB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Beta-2 adrenergic receptor (ADRB2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRB2. No significant cross-reactivity or interference between Human ADRB2 and analogues was observed.
Sequence Length	413
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-2 adrenergic receptor (ADRB2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRB2 elisa kit	Description: This Human Beta-2 adrenergic receptor (ADRB2) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRB2 in samples. An antibody specific for ADRB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRB2 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 ADRB2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADRb2 is directly associated with one of its ultimate effectors, the class C L-type calcium channel CaV1.2. This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501969
NCBI GeneID	154
NCBI Accession #	NP_000015.1
NCBI GenBank Nucleotide #	NP_000015.1
UniProt Accession #	P07550
NCBI Official Full Name	beta-2 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 2
NCBI Official Symbol	ADRB2
NCBI Official Synonym Symbols	BAR; B2AR; ADRBR; ADRB2R; BETA2AR
NCBI Protein Information	beta-2 adrenergic receptor
UniProt Protein Name	Beta-2 adrenergic receptor
UniProt Gene Name	ADRB2
UniProt Synonym Gene Names	ADRB2R; B2AR; Beta-2 adrenoceptor
UniProt Entry Name	ADRB2_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.