

Human Beta-3 Adrenergic Receptor (ADRB3) ELISA Kit | ADRB3 elisa kit

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CATALOG #
AAA331137

REACTIVITY
Human

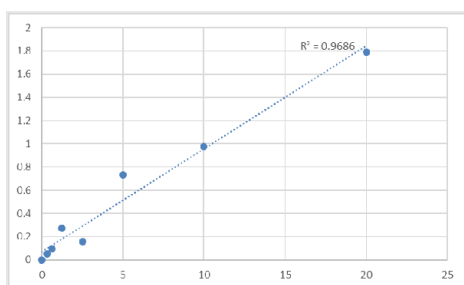
PRODUCT SYNONYMS

Beta-3 Adrenergic Receptor (ADRB3); Human Beta-3 Adrenergic Receptor (ADRB3) ELISA Kit; ADRB3; BETA3AR; FLJ99960; ADRB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Beta-3 adrenergic receptor (ADRB3) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADRB3. No significant cross-reactivity or interference between Human ADRB3 and analogues was observed.
Sequence Length	408
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-3 adrenergic receptor (ADRB3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADRB3 elisa kit	Description: This Human Beta-3 adrenergic receptor (ADRB3) ELISA Kit employs a two-site sandwich ELISA to quantitate ADRB3 in samples. An antibody specific for ADRB3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADRB3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRB3 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 ADRB3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ADRb3 is located mainly in adipose tissue and is involved in the regulation of lipolysis and thermogenesis. Some beta3 agonists have demonstrated antistress effects in animal studies, suggesting it also has a role in the CNS. Beta3-Receptors are found in the gallbladder and in brain adipose tissue. Their role in gallbladder physiology is unknown, but they are thought to play a role in lipolysis and thermogenesis in brown fat. Beta adrenergic receptors are involved in the epinephrine- and norepinephrine-induced activation of adenylate cyclase through ngono the action of the G proteins of the type Gs.SR 59230A was thought to be a selective beta3 antagonist but later found to also be an antagonist of the alpha1 receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557267
NCBI GeneID	155
NCBI Accession #	NP_000016.1
NCBI GenBank Nucleotide #	NP_000016.1
UniProt Accession #	P13945
NCBI Official Full Name	beta-3 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 3
NCBI Official Symbol	ADRB3
NCBI Official Synonym Symbols	BETA3AR
NCBI Protein Information	beta-3 adrenergic receptor
UniProt Protein Name	Beta-3 adrenergic receptor
UniProt Gene Name	ADRB3
UniProt Synonym Gene Names	ADRB3R; B3AR; Beta-3 adrenoceptor
UniProt Entry Name	ADRB3_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.