

Human Adrenergic Receptor Beta 1 (ADRB1) ELISA Kit | ADRb1 elisa kit

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CATALOG #
AAA68375

REACTIVITY
Human

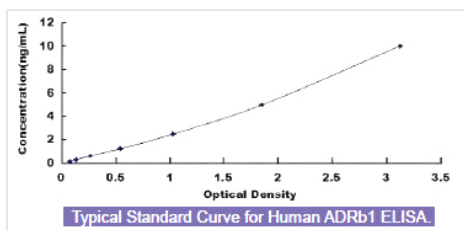
PRODUCT SYNONYMS

Adrenergic Receptor Beta 1 (ADRB1); Human Adrenergic Receptor Beta 1 (ADRB1) ELISA Kit; ADR-B1; ADRB1R; B1AR; BETA1AR; RHR; Beta 1 Adrenoreceptor; Beta-1 adrenoceptor; ADRb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRb1. No significant cross-reactivity or interference between ADRb1 and analogues was observed.
Sequence Length	477
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.058ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADRb1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ADRb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADRb1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ADRb1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADRb1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADRb1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ADRb1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ADRb1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557265
NCBI GeneID	153
NCBI Accession #	NP_000675.1
NCBI GenBank Nucleotide #	NM_000684.2
UniProt Accession #	P08588; Q5T5Y4; Q9UKG7; Q9UKG8; B0LPE2
Molecular Weight	51,323 Da
NCBI Official Full Name	beta-1 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 1
NCBI Official Symbol	ADRB1
NCBI Official Synonym Symbols	RHR; B1AR; ADRB1R; BETA1AR
NCBI Protein Information	beta-1 adrenergic receptor
UniProt Protein Name	Beta-1 adrenergic receptor
UniProt Gene Name	ADRB1
UniProt Synonym Gene Names	ADRB1R; B1AR; Beta-1 adrenoceptor

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://stage.aaabiotech.com/human-elisa-kits/adrenergic-receptor-beta-1-adrb1/68375>