

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

Rat Adrenergic Receptor Beta 1 (ADRB1) ELISA Kit

CATALOG #
AAA139685

REACTIVITY
Rat

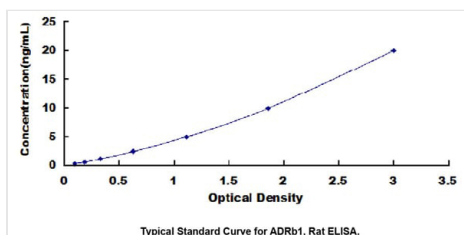
PRODUCT SYNONYMS

Adrenergic Receptor Beta 1 (ADRB1); Rat 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	Rat
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	659
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.116ng/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%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADRb1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ADRb1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ADRb1 in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for ADRb1 elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119594988
NCBI GeneID	156
Molecular Weight	79,574 Da
NCBI Official Full Name	adrenergic, beta, receptor kinase 1, isoform CRA_b
NCBI Official Synonym Full Names	adrenergic, beta, receptor kinase 1
NCBI Official Symbol	ADRBK1
NCBI Official Synonym Symbols	GRK2; BARK1; BETA-ARK1
NCBI Protein Information	beta-adrenergic receptor kinase 1
UniProt Protein Name	Beta-adrenergic receptor kinase 1
UniProt Gene Name	ADRBK1
UniProt Synonym Gene Names	BARK; BARK1; GRK2; Beta-ARK-1
UniProt Entry Name	ARBK1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/adrenergic-receptor-beta-1-adrb1/139685>