Human Adrenergic Receptor Beta Kinase 1 (ADRbK1) ELISA Kit | ADRbK1 elisa kit

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CATALOG #	REACTIVITY
AAA185583	**Human**

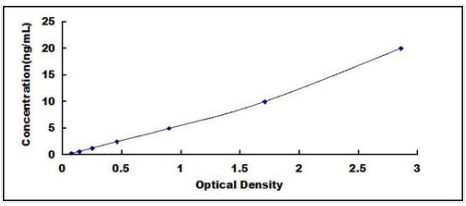
PRODUCT SYNONYMS

Adrenergic Receptor Beta Kinase 1 (ADRbK1); Human Adrenergic Receptor Beta Kinase 1 (ADRbK1) ELISA Kit; B-ARK1; bARK1; Beta-ARK1; GRK2; G-protein coupled receptor kinase 2; ADRbK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Adrenergic Receptor Beta Kinase 1 (ADRbK1). No significant cross-reactivity or interference between Adrenergic Receptor Beta Kinase 1 (ADRbK1) and analogues was observed.
Sequence Length	689
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.133ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Adrenergic Receptor Beta Kinase 1 (ADRbK1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Adrenergic Receptor Beta Kinase 1 (ADRbK1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 ADRbK1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Adrenergic Receptor Beta Kinase 1 (ADRbK1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Adrenergic Receptor Beta Kinase 1 (ADRbK1). 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 Adrenergic Receptor Beta Kinase 1 (ADRbK1), 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 Adrenergic Receptor Beta Kinase 1 (ADRbK1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119594988
NCBI GeneID	156
UniProt Accession #	P25098; Q13837; Q6GTT3; B0ZBE1
Molecular Weight	79,574 Da
NCBI Official Full Name	adrenergic, beta, receptor kinase 1, isoform CRA_b
NCBI Official Synonym Full Names	G protein-coupled receptor kinase 2
NCBI Official Symbol	GRK2
NCBI Official Synonym Symbols	BARK1; ADRBK1; BETA-ARK1
NCBI Protein Information	beta-adrenergic receptor kinase 1
UniProt Protein Name	Beta-adrenergic receptor kinase 1
UniProt Gene Name	**GRK2**
UniProt Synonym Gene Names	Beta-ARK-1

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-kinase-1-adrbk1/185583