

Human RIO Kinase 1 (RIOK1) ELISA Kit | RIOK1 elisa kit

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CATALOG #
AAA188007

REACTIVITY
Human

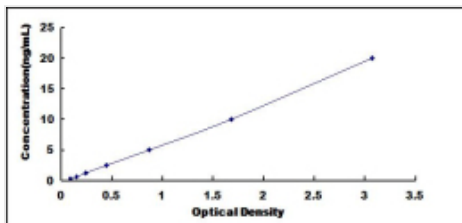
PRODUCT SYNONYMS

RIO Kinase 1 (RIOK1); Human RIO Kinase 1 (RIOK1) ELISA Kit; RRP10; Serine/threonine-protein kinase RIO1; RIOK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RIO Kinase 1 (RIOK1). No significant cross-reactivity or interference between RIO Kinase 1 (RIOK1) and analogues was observed.
Sequence Length	542
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma 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 RIO Kinase 1 (RIOK1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level RIO Kinase 1 (RIOK1) 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 RIOK1 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 RIO Kinase 1 (RIOK1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to RIO Kinase 1 (RIOK1). 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 RIO Kinase 1 (RIOK1), 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 RIO Kinase 1 (RIOK1) 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 #	170015983
NCBI GeneID	733148
NCBI Accession #	NP_001116165.1
NCBI GenBank Nucleotide #	NM_001122693.1
NCBI Official Full Name	RIO kinase 1 L homeolog
NCBI Official Synonym Full Names	RIO kinase 1 L homeolog
NCBI Official Symbol	riok1.L
NCBI Official Synonym Symbols	riok1
NCBI Protein Information	RIO kinase 1 L homeolog

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://www.aaabiotech.com/human-elisa-kits/rio-kinase-1-riok1/188007>