

Rat Activity Regulated Cytoskeleton Associated Protein (ARC) ELISA Kit | ARC elisa kit

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CATALOG #
AAA187565

REACTIVITY
Rat

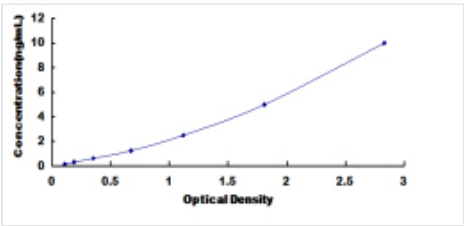
PRODUCT SYNONYMS

Activity Regulated Cytoskeleton Associated Protein (ARC); Rat Activity Regulated Cytoskeleton Associated Protein (ARC) ELISA Kit; Arg3.1; Activity-regulated gene 3.1 protein homolog; ARC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Activity Regulated Cytoskeleton Associated Protein (ARC). No significant cross-reactivity or interference between Activity Regulated Cytoskeleton Associated Protein (ARC) and analogues was observed.
Sequence Length	396
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.051ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Activity Regulated Cytoskeleton Associated Protein (ARC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Activity Regulated Cytoskeleton Associated Protein (ARC) 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 ARC 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 Activity Regulated Cytoskeleton Associated Protein (ARC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Activity Regulated Cytoskeleton Associated Protein (ARC). 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 Activity Regulated Cytoskeleton Associated Protein (ARC), 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 Activity Regulated Cytoskeleton Associated Protein (ARC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8567330
NCBI GeneID	23237
NCBI Accession #	NP_056008.1
NCBI GenBank Nucleotide #	NM_015193.4
UniProt Accession #	Q7LC44; Q9UJW6; Q9Y469
Molecular Weight	45,316 Da
NCBI Official Full Name	activity-regulated cytoskeleton-associated protein
NCBI Official Synonym Full Names	activity regulated cytoskeleton associated protein
NCBI Official Symbol	ARC
NCBI Official Synonym Symbols	Arg3.1
NCBI Protein Information	activity-regulated cytoskeleton-associated protein
UniProt Protein Name	Activity-regulated cytoskeleton-associated protein
UniProt Gene Name	ARC
UniProt Synonym Gene Names	Arg3.1

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.