

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

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CATALOG #
AAA136384

REACTIVITY
Mouse

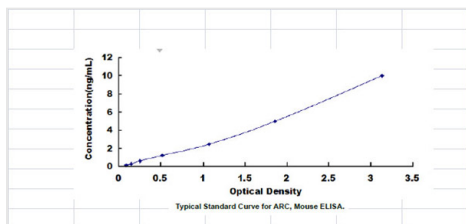
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ARC. No significant cross-reactivity or interference between ARC and analogues was observed.
Sequence Length	396
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ARC 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 ARC 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 ARC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ARC in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ARC. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 ARC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ARC elisa kit	Metabolic pathway

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
UniProt Entry Name	ARC_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.