

Rat Activity-regulated cytoskeleton-associated protein (ARC) ELISA Kit | ARC elisa kit

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CATALOG #
AAA245331

REACTIVITY
Rat

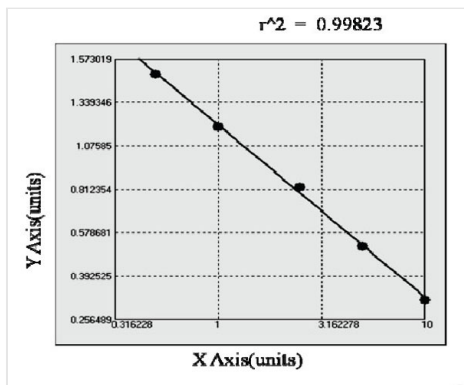
PRODUCT SYNONYMS

Activity-regulated cytoskeleton-associated protein (ARC); Rat Activity-regulated cytoskeleton-associated protein (ARC) ELISA Kit; ARC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ARC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ARC. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARC elisa kit

Principle of the assay: ARC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ARC antibody and an ARC-HRP conjugate. The assay sample and buffer are incubated together with ARC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ARC concentration since ARC from samples and ARC-HRP conjugate compete for the anti-ARC antibody binding site. Since the number of sites is limited, as more sites are occupied by ARC from the sample, fewer sites are left to bind ARC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8567330
NCBI GeneID	23237
NCBI Accession #	NP_056008.1
NCBI GenBank Nucleotide #	NM_015193.4
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; ARC/ARG3.1; activity-regulated gene 3.1 protein homolog
UniProt Protein Name	Activity-regulated cytoskeleton-associated protein
UniProt Gene Name	ARC
UniProt Synonym Gene Names	KIAA0278; 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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/activity-regulated-cytoskeleton-associated-protein-arc/245331>