

Mouse Adenylyl cyclase-associated protein 2 (CAP2) ELISA Kit | CAP2 elisa kit

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CATALOG #
AAA244693

REACTIVITY
Mouse

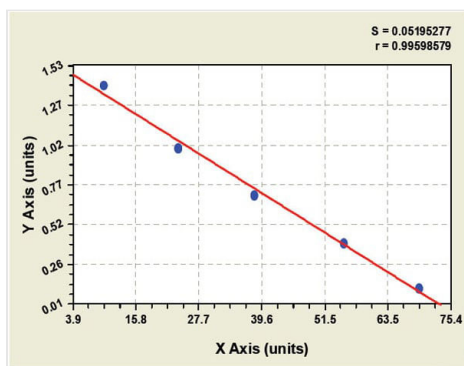
PRODUCT SYNONYMS

Adenylyl cyclase-associated protein 2 (CAP2); Mouse Adenylyl cyclase-associated protein 2 (CAP2) ELISA Kit; CAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CAP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CAP2. 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 CAP2 elisa kit

Principle of the assay: CAP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CAP2 antibody and an CAP2-HRP conjugate. The assay sample and buffer are incubated together with CAP2-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 CAP2 concentration since CAP2 from samples and CAP2-HRP conjugate compete for the anti-CAP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAP2 from the sample, fewer sites are left to bind CAP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAP2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453593
NCBI GeneID	10486
NCBI Accession #	NP_006357.1
NCBI GenBank Nucleotide #	NM_006366.2
Molecular Weight	24,018 Da
NCBI Official Full Name	adenylyl cyclase-associated protein 2
NCBI Official Synonym Full Names	CAP, adenylate cyclase-associated protein, 2 (yeast)
NCBI Official Symbol	CAP2
NCBI Protein Information	adenylyl cyclase-associated protein 2; CAP 2; 2810452G09Rik
UniProt Protein Name	Adenylyl cyclase-associated protein 2
UniProt Gene Name	CAP2
UniProt Synonym Gene Names	CAP 2
UniProt Entry Name	CAP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/adenylyl-cyclase-associated-protein-2-cap2/244693>