

GuineaPig adenylyl cyclase 1 ELISA Kit | AC-1 elisa kit

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CATALOG #
AAA83819

REACTIVITY
GuineaPig

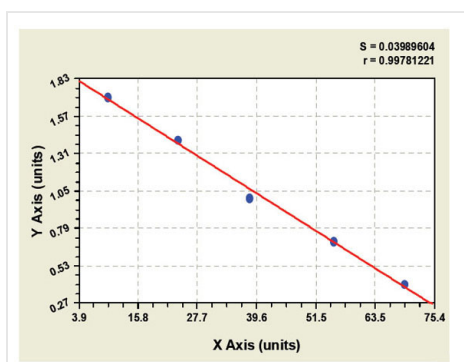
PRODUCT SYNONYMS

adenylyl cyclase 1; Guinea Pig adenylyl cyclase 1 ELISA Kit; adenylyl cyclase 1 (Guinea Pig); AC-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AC-1 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This AC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig AC1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY AC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AC1 antibody and an AC1-HRP conjugate. The assay sample and buffer are incubated together with AC1-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 AC1 concentration since AC1 from samples and AC1-HRP conjugate compete for the anti-AC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by AC1 from the sample, fewer sites are left to bind AC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AC1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AC-1
elisa kit

Guinea Pig ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	6014766
NCBI Official Full Name	Adenylate cyclase 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.

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Online datasheet: <https://stage.aaabiotech.com/ac-1-pig-elisa-kits/adenylyl-cyclase-1/83819>