

Rat Adrenocorticotrophic Hormone ELISA Kit | ACTH elisa kit

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CATALOG #
AAA85464

REACTIVITY
Rat

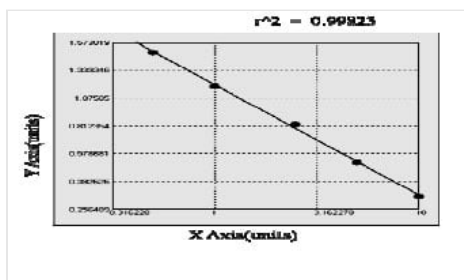
PRODUCT SYNONYMS

Adrenocorticotrophic Hormone; Rat Adrenocorticotrophic Hormone ELISA Kit; ACTH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTH elisa kit

Intended Uses: This ACTH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ACTH. This ELISA kit for research use only!

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

Product Categories/Family for ACTH elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	490074
NCBI Official Full Name	ACTH, partial

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/acth-rat-elisa-kits/adrenocorticotrophic-hormone/85464>