

Rat adrenocorticotrophic hormone (ACTH) ELISA Kit | ACTH elisa kit

Rat adrenocorticotrophic hormone, ACTH ELISA Kit

CATALOG #
AAA80347

REACTIVITY
Rat

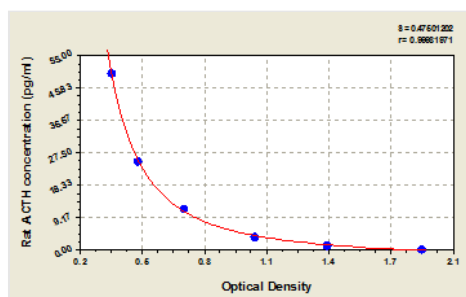
PRODUCT SYNONYMS

adrenocorticotrophic hormone (ACTH); Rat adrenocorticotrophic hormone; ACTH ELISA Kit; Rat adrenocorticotrophic hormone (ACTH) ELISA kit; ACTH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat ACTH. No significant cross-reactivity or interference between rat ACTH and analogues was observed.
Sequence Length	41
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	1.25 pg/ml-50 pg/ml.
Sensitivity	The minimum detectable dose of rat ACTH is typically less than 1.25 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest rat ACTH concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTH elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for ACTH and Horseradish Peroxidase (HRP) conjugated ACTH. The competitive inhibition reaction is launched between with HRP labeled ACTH and unlabeled ACTH with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of ACTH in the sample. The color development is stopped and the intensity of the color is measured.
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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/rat-elisa-kits/adrenocorticotrophic-hormone-acth/80347>