

Mouse Adrenocorticotrophic Hormone (ACTH) RTU ELISA Kit | ACTH rtu elisa kit

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CATALOG #
AAA68845

REACTIVITY
Mouse

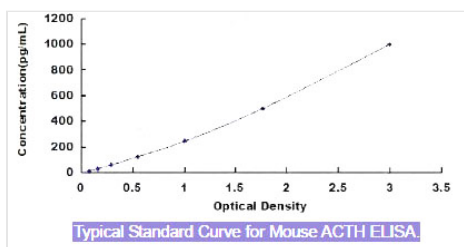
PRODUCT SYNONYMS

Adrenocorticotrophic Hormone (ACTH); Mouse Adrenocorticotrophic Hormone (ACTH) ELISA Kit; Corticotropin; Adrenocorticotropin; ACTH rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACTH. No significant cross-reactivity or interference between ACTH and analogues was observed.
Sequence Length	39
Samples	Mouse Serum, Plasma Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	6.39pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACTH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ACTH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTH rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ACTH in mouse serum, plasma or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ACTH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ACTH. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ACTH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ACTH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	191659
NCBI GeneID	18976
Molecular Weight	26,707 Da
NCBI Official Full Name	adrenocorticotrophic hormone, partial
NCBI Official Synonym Full Names	pro-opiomelanocortin-alpha
NCBI Official Symbol	Pomc
NCBI Official Synonym Symbols	BE; Npp; ACTH; Clip; Pomc1; Pomc-1; Beta-LPH; alphaMSH; beta-MSH; Gamma-LPH; alpha-MSH; gamma-MSH
NCBI Protein Information	pro-opiomelanocortin
UniProt Protein Name	Pro-opiomelanocortin
UniProt Gene Name	Pomc
UniProt Synonym Gene Names	Pomc1; POMC; ACTH; Alpha-MSH; CLIP; Beta-MSH

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://www.aaabiotech.com/mouse-rtu-elisa-kits/adrenocorticotrophic-hormone-acth/68845>