

## Mouse Adrenocorticotrophic Hormone (ACTH) ELISA Kit | ACTH elisa kit

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| CATALOG #<br><b>AAA64361</b> | REACTIVITY<br><b>Mouse</b> |
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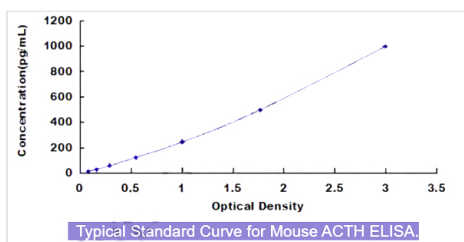
### PRODUCT SYNONYMS

Adrenocorticotrophic Hormone (ACTH); Mouse Adrenocorticotrophic Hormone (ACTH) ELISA Kit; Corticotropin; Adrenocorticotropin; ACTH 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                                                                                                                                                                                                         |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                      |
| Samples                 | Mouse serum, plasma or other biological fluids                                                                                                                                                             |
| 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 kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for ACTH elisa kit | <p>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.</p> <p>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.</p> |
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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; CLIP                                                                           |

**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.