

## Mouse Pro-opiomelanocortin (POMC) ELISA Kit | POMC elisa kit

Mouse Pro-opiomelanocortin, POMC ELISA Kit

CATALOG #  
**AAA80969**

REACTIVITY  
**Mouse**

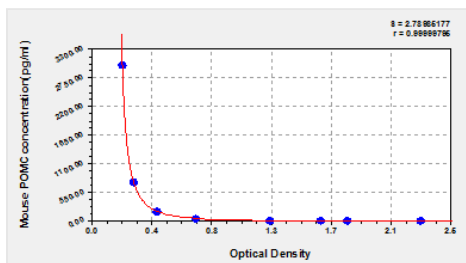
### PRODUCT SYNONYMS

Pro-opiomelanocortin (POMC); Mouse Pro-opiomelanocortin; POMC ELISA Kit; Mouse Pro-opiomelanocortin (POMC) ELISA KIT; POMC elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of mouse POMC. No significant cross-reactivity or interference between mouse POMC and analogues was observed.                                                                                                                                                                         |
| Sequence Length         | 263                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                                                    |
| Assay Type              | Competitive                                                                                                                                                                                                                                                                                                                                                   |
| Detection Range         | 47 pg/ml -3000 pg/ml.                                                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | The minimum detectable dose of mouse POMC is typically less than 23.5 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest mouse POMC 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%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                                                                                                                                                              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. 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

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| Related Product Information for POMC 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 an antigen. Standards or samples are added to the appropriate microtiter plate wells with antibody specific for POMC and Horseradish Peroxidase (HRP) conjugated goat-anti-rabbit antibody. The competitive inhibition reaction is launched between with pre-coated POMC and POMC in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of POMC 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 #                  | 57164299                                       |
| NCBI GeneID                | 443212                                         |
| NCBI Accession #           | NP_001009266.1                                 |
| NCBI GenBank Nucleotide #  | NM_001009266.1                                 |
| UniProt Accession #        | P01191; Q28826; Q8MIC5                         |
| Molecular Weight           | 29,062 Da                                      |
| NCBI Official Full Name    | pro-opiomelanocortin                           |
| NCBI Official Symbol       | POMC                                           |
| NCBI Protein Information   | pro-opiomelanocortin; Corticotropin-lipotropin |
| UniProt Protein Name       | Pro-opiomelanocortin                           |
| UniProt Gene Name          | POMC                                           |
| UniProt Synonym Gene Names | POMC; ACTH; CLIP                               |
| UniProt Entry Name         | COLI_SHEEP                                     |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/pro-opiomelanocortin-pomc/80969>