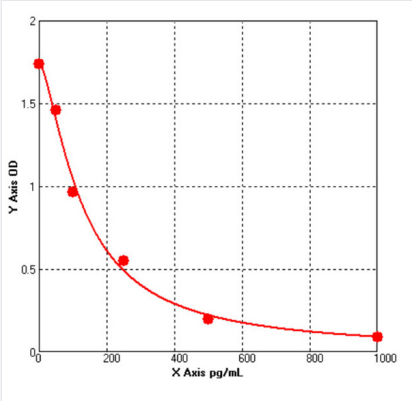
# Beta Endorphin (POMC) ELISA Kit for Monkey

## PRODUCT OVERVIEW

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| **Product Name** | beta Endorphin (POMC), ELISA Kit |
| **Full Product Name** | Monkey beta Endorphin ELISA Kit |
| **Product Gene Name** | POMC elisa kit |
| **Species Reactivity** | Monkey |
| **Assay Type** | Quantitative Competitive |
| **Samples** | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| **Sensitivity** | 1.0 pg/mL |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of betaEP. No significant cross-reactivity or interference between betaEP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between betaEP and all the analogues, therefore, cross reaction may still exist in some cases. |
| **Preparation and Storage** | Store at 2-8 degree C.<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. |
| **Molecular Weight** | 3,438 Da |
| **3D Structure** | ModBase 3D Structure for P01203 |
| **Sample Preparation** | We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team |
| **Reactivity Note** | No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases. |
| **Product Categories/Family for POMC elisa kit** | Neuroscience; Signal Transduction; Metabolism; Cancer |
| **ISO Certification** | Manufactured in an ISO 13485:2016 Certified Laboratory. |
| **Related Product Information for POMC elisa kit** | Principle of the Assay: betaEP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-betaEP antibody and an betaEP-HRP conjugate. The assay sample and buffer are incubated together with betaEP-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 betaEP concentration since betaEP from samples and betaEP-HRP conjugate compete for the anti-betaEP antibody binding site. Since the number of sites is limited, as more sites are occupied by betaEP from the sample, fewer sites are left to bind betaEP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The betaEP concentration in each sample is interpolated from this standard curve.<br><br>Intended Uses: This betaEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey betaEP. This ELISA kit for research use only, not for therapeutic or test applications! |
| **Other Notes** | Small volumes of POMC elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for POMC purchase** | MBS7262730 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the beta Endorphin (POMC) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing POMC. The ELISA analytical biochemical technique of the MBS7262730 kit is based on POMC antibody-POMC antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect POMC antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, POMC. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |




**Typical Testing Data/Standard Curve (for reference only) of POMC elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POMC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 119332 |
| **NCBI Accession #** | P01203.1 |
| **UniProt Primary Accession #** | P01203 |
| **NCBI Official Full Name** | Beta-endorphin |
| **UniProt Protein Name** | Beta-endorphin |
| **Protein Family** | Beta-endorphin |
| **UniProt Gene Name** | POMC |
| **UniProt Comments for POMC** | Beta-endorphin and Met-enkephalin are endogenous opiates. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

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