

Mouse beta Endorphin ELISA Kit | beta-END (BEP) elisa kit

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CATALOG #
AAA84855

REACTIVITY
Mouse

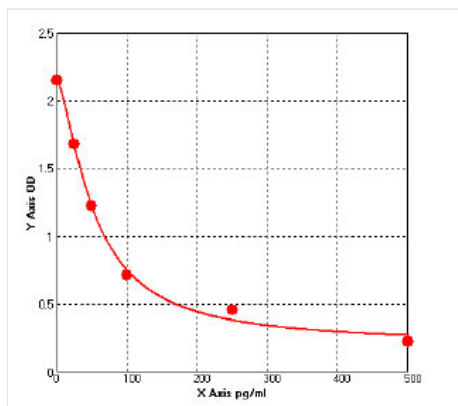
PRODUCT SYNONYMS

beta Endorphin; Mouse beta Endorphin ELISA Kit; Mouse b Endorphin ELISA Kit; beta-END (BEP) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Intended Uses	This beta-END ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse beta-END. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-END (BEP) elisa kit	Principle of the Assay: betaEP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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. Intended Uses: This betaEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse betaEP. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for beta-END (BEP) elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119332
Molecular Weight	3,438 Da
NCBI Official Full Name	Beta-endorphin
UniProt Protein Name	Beta-endorphin
UniProt Gene Name	POMC
UniProt Entry Name	COLI_CAMDR

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
Online datasheet: <https://stage.aaabiotech.com/beta-end-bep-mouse-elisa-kits/beta-endorphin/84855>