

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

Bovine beta Endorphin ELISA Kit

CATALOG #
AAA93375

REACTIVITY
Bovine

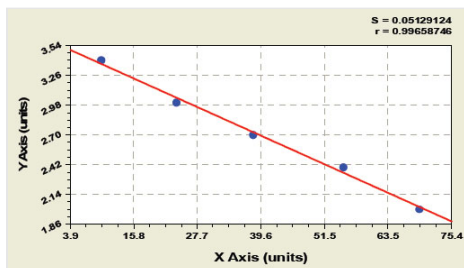
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This beta-EP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine beta-EP. 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: beta-EP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-beta-EP antibody and an beta-EP-HRP conjugate. The assay sample and buffer are incubated together with beta-EP-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 beta-EP concentration since beta-EP from samples and beta-EP-HRP conjugate compete for the anti-beta-EP antibody binding site. Since the number of sites is limited, as more sites are occupied by beta-EP from the sample, fewer sites are left to bind beta-EP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta-EP concentration in each sample is interpolated from this standard curve.

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.

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Online datasheet: <https://stage.aaabiotech.com/beta-end-bep-bovine-ovine-elisa-kits/beta-endorphin/93375>