

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

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CATALOG #
AAA245309

REACTIVITY
Canine

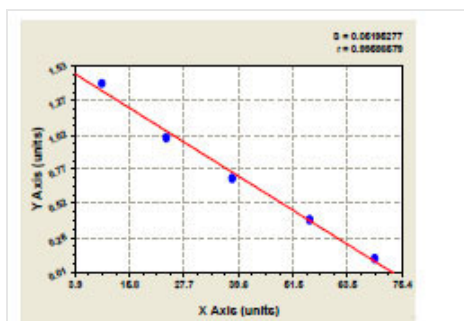
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
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

Intended Uses: This b-EP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine b-EP. This ELISA kit for research use only!

Principle of the Assay: b-EP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-b-EP antibody and an b-EP-HRP conjugate. The assay sample and buffer are incubated together with b-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 b-EP concentration since b-EP from samples and b-EP-HRP conjugate compete for the anti-b-EP antibody binding site. Since the number of sites is limited, as more sites are occupied by b-EP from the sample, fewer sites are left to bind b-EP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The b-EP concentration in each sample is interpolated from this standard curve.

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-canine-elisa-kits/beta-endorphin/245309>