

Bovine Enkephalin ELISA Kit | ENK elisa kit

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CATALOG #
AAA90496

REACTIVITY
Bovine

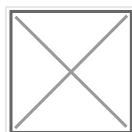
PRODUCT SYNONYMS

Enkephalin; Bovine Enkephalin ELISA Kit; ENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of ENK. No significant cross-reactivity or interference between ENK and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ENK 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	0.1 ng/mL
Intended Uses	This ENK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ENK. 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 ENK elisa kit

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

Intended Uses: This ENK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ENK. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for ENK elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	204026
NCBI GeneID	29237
Molecular Weight	30,932 Da
NCBI Official Full Name	enkephalin
NCBI Official Synonym Full Names	proenkephalin
NCBI Official Symbol	Penk
NCBI Official Synonym Symbols	Enk; Penk1; Penk2; Penk-rs
NCBI Protein Information	proenkephalin-A; proenkephalin 1; proenkephalin 2; preproenkephalin 2; proenkephalin related sequence
UniProt Protein Name	Proenkephalin-A
UniProt Gene Name	Penk
UniProt Synonym Gene Names	Penk-rs; Penk1; OGF
UniProt Entry Name	PENK_RAT

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/enk-bovine-ovine-elisa-kits/enkephalin/90496>