

Canine Enkephalin ELISA Kit | ENK elisa kit

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CATALOG #
AAA89715

REACTIVITY
Canine

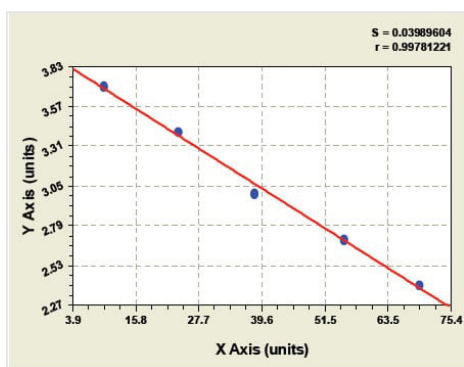
PRODUCT SYNONYMS

Enkephalin; Canine Enkephalin ELISA Kit; ENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 ENK elisa kit

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

Principle of the Assay: ENK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

Product Categories/Family for ENK elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	204026
NCBI GeneID	29237
UniProt Accession #	P04094; Q53X05; Q63192; Q64313
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.

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Online datasheet: <https://stage.aaabiotech.com/enk-canine-elisa-kits/enkephalin/89715>