

Mouse Enkephalin (ENK) ELISA Kit | ENK elisa kit

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CATALOG #
AAA66026

REACTIVITY
Mouse

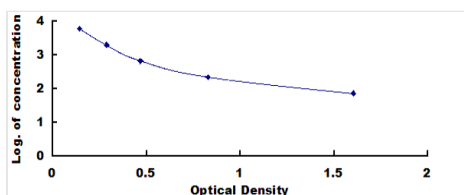
PRODUCT SYNONYMS

Enkephalin (ENK); Mouse Enkephalin (ENK) ELISA Kit; ENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Sequence Length	269
Samples	Serum, plasma and other biological fluids.
Assay Type	Competitive inhibition
Detection Range	93.75-6000pg/mL
Sensitivity	25.35pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ENK were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ENK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENK elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of ENK in mouse serum, plasma and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ENK has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ENK and unlabeled ENK (Standards or samples) with the pre-coated antibody specific to ENK. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of ENK in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ENK in the sample.

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
UniProt Protein Name	Proenkephalin-A
UniProt Gene Name	Penk
UniProt Synonym Gene Names	Penk-rs; Penk1; OGF

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/mouse-elisa-kits/enkephalin-enk/66026>