

Enkephalin (ENK) ELISA Kit | ENK elisa kit

Multi-species Enkephalin (ENK) ELISA Kit

CATALOG #
AAA141231

REACTIVITY
Human, Mouse, Rat

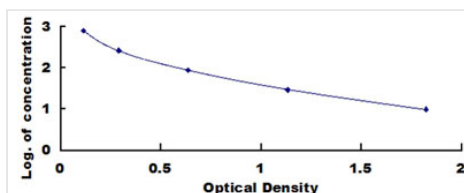
PRODUCT SYNONYMS

Enkephalin (ENK); Multi-species Enkephalin (ENK) ELISA Kit; Human/Mouse/Rat Enkephalin (ENK) (Competitive ELISA) ELISA Kit; ENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Enkephalin (ENK). No significant cross-reactivity or interference between Enkephalin (ENK) and analogues was observed.
Sequence Length	269
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	4.62pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Enkephalin (ENK) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Enkephalin (ENK) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENK elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Enkephalin (ENK) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Enkephalin (ENK) and unlabeled Enkephalin (ENK) (Standards or samples) with the pre-coated antibody specific to Enkephalin (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 Enkephalin (ENK) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Enkephalin (ENK) in the sample.
Product Categories/Family for ENK elisa kit	Signal transduction; Neuroscience

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
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/human-mouse-rat-elisa-kits/enkephalin-enk/141231>