

Mouse PENK (Proenkephalin-A) ELISA Kit | PENK elisa kit

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CATALOG #
AAA250242

REACTIVITY
Mouse

PRODUCT SYNONYMS

PENK (Proenkephalin-A); Mouse PENK (Proenkephalin-A) ELISA Kit; Proenkephalin-A; Synenkephalin; Met-enkephalin; Opioid growth factor; OGF; PENK(114-133); PENK(143-184); Met-enkephalin-Arg-Ser-Leu; Leu-enkephalin; PENK(238-259); Met-enkephalin-Arg-Phe; Penk; Penk1; PENK; PENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PENK. No significant cross -reactivity or interference between PENK and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for PENK elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50950119
NCBI GeneID	18619
NCBI Accession #	NP_001002927.1
NCBI GenBank Nucleotide #	NM_001002927.2
UniProt Accession #	P22005; Q68G73
Molecular Weight	31,004 Da
NCBI Official Full Name	proenkephalin-A

NCBI Official Synonym Full Names	preproenkephalin
NCBI Official Symbol	Penk
NCBI Official Synonym Symbols	ENK; PPA; Penk1; AI326464
NCBI Protein Information	proenkephalin-A
UniProt Protein Name	Proenkephalin-A
UniProt Gene Name	Penk
UniProt Synonym Gene Names	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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/penk-proenkephalin-a/250242>