

Human proenkephalin ELISA Kit | PENK elisa kit

Human proenkephalin, PENK ELISA Kit

CATALOG #
AAA18255

REACTIVITY
Human

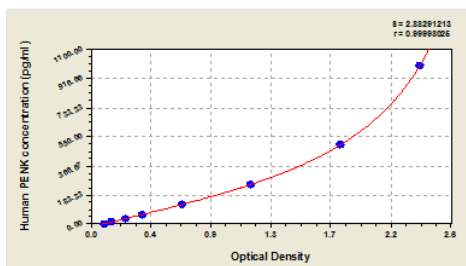
PRODUCT SYNONYMS

proenkephalin; Human proenkephalin; PENK ELISA Kit; Human proenkephalin (PENK) ELISA kit; enkephalin A; preproenkephalin; PENK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PENK. No significant cross-reactivity or interference between human PENK and analogues was observed.
Sequence Length	267
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cerebrospinal fluid (CSF)
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PENK elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PENK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PENK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PENK is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PENK bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208879446
NCBI GeneID	5179
NCBI Accession #	NP_001129162.1
NCBI GenBank Nucleotide #	NM_001135690.1
UniProt Accession #	P01210; Q6FHC6; Q6FHE6; B2RC23
Molecular Weight	30,787 Da
NCBI Official Full Name	proenkephalin-A preproprotein
NCBI Official Synonym Full Names	proenkephalin
NCBI Official Symbol	PENK
NCBI Protein Information	proenkephalin-A; enkephalin A; preproenkephalin
UniProt Protein Name	Proenkephalin-A
UniProt Gene Name	PENK
UniProt Synonym Gene Names	OGF
UniProt Entry Name	PENK_HUMAN

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/penk-human-elisa-kits/proenkephalin/18255>