

Monkey Leucyl-Cystinyl aminopeptidase ELISA Kit | LNPEP elisa kit

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CATALOG #
AAA94892

REACTIVITY
Monkey

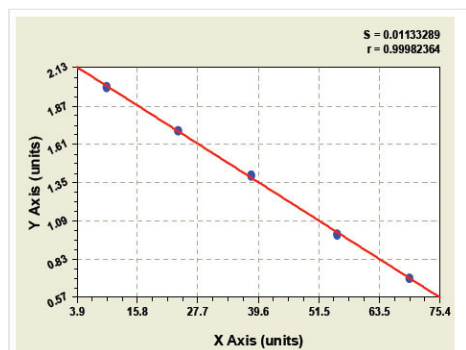
PRODUCT SYNONYMS

Leucyl-Cystinyl aminopeptidase; Monkey Leucyl-Cystinyl aminopeptidase ELISA Kit; LNPEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This LNPEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey LNPEP. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LNPEP elisa kit

Principle of the Assay: LNPEP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LNPEP antibody and an LNPEP-HRP conjugate. The assay sample and buffer are incubated together with LNPEP-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 LNPEP concentration since LNPEP from samples and LNPEP-HRP conjugate compete for the anti-LNPEP antibody binding site. Since the number of sites is limited, as more sites are occupied by LNPEP from the sample, fewer sites are left to bind LNPEP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LNPEP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61742777
NCBI GeneID	4012
NCBI Accession #	NP_005566.2
NCBI GenBank Nucleotide #	NM_005575.2
Molecular Weight	115,062 Da
NCBI Official Full Name	leucyl-cystinyl aminopeptidase isoform 1
NCBI Official Synonym Full Names	leucyl/cystinyl aminopeptidase
NCBI Official Symbol	LNPEP
NCBI Official Synonym Symbols	CAP; IRAP; PLAP; P-LAP
NCBI Protein Information	leucyl-cystinyl aminopeptidase; otase; oxytocinase; vasopressinase; AT (4) receptor; angiotensin IV receptor; insulin-regulated aminopeptidase; placental leucine aminopeptidase; insulin-responsive aminopeptidase; insulin-regulated membrane aminopeptidase
UniProt Protein Name	Leucyl-cystinyl aminopeptidase
UniProt Gene Name	LNPEP
UniProt Synonym Gene Names	OTASE; Cystinyl aminopeptidase; IRAP; OTase; P-LAP
UniProt Entry Name	LCAP_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/lnpep-monkey-elisa-kits/leucyl-cystinyl-aminopeptidase/94892>