

Rat Leucine Aminopeptidase (LAP) ELISA Kit | LAP elisa kit

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CATALOG #
AAA137926

REACTIVITY
Rat

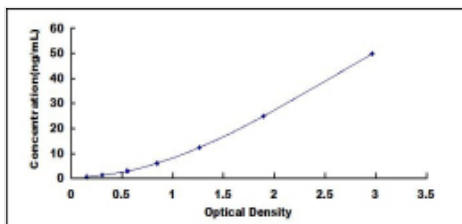
PRODUCT SYNONYMS

Leucine Aminopeptidase (LAP); Rat Leucine Aminopeptidase (LAP) ELISA Kit; LAPEP; LAP3; PEPS; Peptidase S; Leucyl Aminopeptidase; Cytosol aminopeptidase; Proline aminopeptidase; Prolyl aminopeptidase; LAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Leucine Aminopeptidase (LAP). No significant cross-reactivity or interference between Leucine Aminopeptidase (LAP) and analogues was observed.
Sequence Length	488
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	0.37ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Leucine Aminopeptidase (LAP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Leucine Aminopeptidase (LAP) 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 LAP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Leucine Aminopeptidase (LAP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Leucine Aminopeptidase (LAP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Leucine Aminopeptidase (LAP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Leucine Aminopeptidase (LAP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LAP elisa kit	Enzyme & Kinase; Metabolic pathway; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	4335941
NCBI GeneID	51056
UniProt Accession #	P28838; Q6IAM6; Q6P0L6; Q9UQE3; B3KMQ3
Molecular Weight	52,771 Da
NCBI Official Full Name	leucine aminopeptidase
NCBI Official Synonym Full Names	leucine aminopeptidase 3
NCBI Official Symbol	LAP3
NCBI Official Synonym Symbols	LAP; PEPS; LAPEP; HEL-S-106
NCBI Protein Information	cytosol aminopeptidase
UniProt Protein Name	Cytosol aminopeptidase
UniProt Gene Name	LAP3
UniProt Synonym Gene Names	LAPEP; PEPS; LAP-3
UniProt Entry Name	AMPL_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/rat-elisa-kits/leucine-aminopeptidase-lap/137926>