

Human Cytosol aminopeptidase ELISA Kit | LAP3 elisa kit

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CATALOG #
AAA191353

REACTIVITY
Human

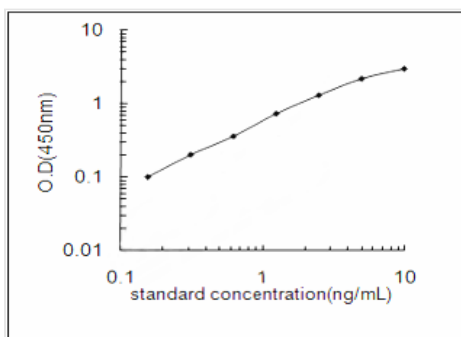
PRODUCT SYNONYMS

Cytosol aminopeptidase; Human Cytosol aminopeptidase ELISA Kit; Leucine aminopeptidase 3; LAP-3; Leucyl aminopeptidase; Peptidase S; Proline aminopeptidase; Prolyl aminopeptidase; LAP3; LAPEP; PEPS; 3.4.11.1; 3.4.11.5; LAP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural humanCytosol aminopeptidase. No significant cross-reactivity or interference was observed.
Sequence Length	519
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.082 ng/mL
Intra-Assay CV	<=6.2%
Inter-Assay CV	<=8.4%
Recovery	93%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAP3 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Cytosol aminopeptidase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytosol aminopeptidase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Cytosol aminopeptidase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Cytosol aminopeptidase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Cytosol aminopeptidase in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41393561
NCBI GeneID	51056
NCBI Accession #	NP_056991.2
NCBI GenBank Nucleotide #	NM_015907.2
UniProt Accession #	P28838; Q6IAM6; Q6P0L6; Q9UQE3; B3KMQ3
Molecular Weight	52,771 Da
NCBI Official Full Name	cytosol 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.