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

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CATALOG #	REACTIVITY
AAA270544	**Human**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human LAP. No significant cross-reactivity or interference between Human LAP and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.065 ng/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 intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LAP elisa kit	Principle of the Assay: 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 added to the appropriate microtiter plate wells then 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 OD of the samples to the standard curve.
Product Categories/Family for LAP elisa kit	Enzyme & Kinase; Metabolic pathway; Developmental science

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.