Rat Leucine aminopepridase (LAP) ELISA Kit

Catalog No: #EK10153

Package Size: #EK10153-1 48T #EK10153-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Rat Leucine aminopepridase (LAP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	LAP; LAPEP; PEPS; peptidase S
Accession No.	Q68FS4
Uniprot	Q68FS4
GeneID	289668;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.37 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate LAP3 in samples. An antibody specific for LAP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLAP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LAP3 is added to the wells. After washing, Streptavidin 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 LAP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Leucine aminopeptidase (LAP) is an exopeptidase hydrolyzing the peptide bond adjacent to a free amino group. LAP is extensively used in the sequence analysis of proteins and peptides. .The enzyme liberates amino acids from the N-terminal end of a number of proteins and polypeptides. It is called leucine aminopeptidase because it reacts most rapidly with leucine compounds. Many aliphatic amides are also hydrolyzed as well as thiolesters.LAP consists of four subunits each having one atom of zinc.
PEPS levels did not differ from controls in any. This experience permitted exclusion mapping of PEPS to 4p11-4q13; combined with previously reported data, the assignment becomes 4p11-4q12.

Note: This product is for in vitro research use only