

Human Alkaline Phosphatase, Liver/Bone/Kidney (ALPL) ELISA Kit | ALPL elisa kit

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CATALOG #
AAA139511

REACTIVITY
Human

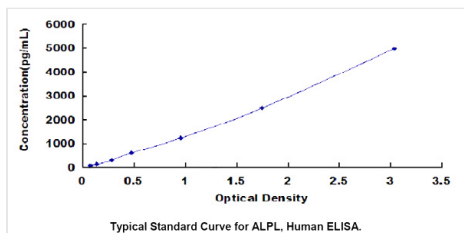
PRODUCT SYNONYMS

Alkaline Phosphatase; Liver/Bone/Kidney (ALPL); Human Alkaline Phosphatase; Liver/Bone/Kidney (ALPL) ELISA Kit; BALP; BSAP; HOPS; AP-TNAP; TNSALP; Bone Alkaline Phosphatase; Tissue-Nonspecific Isozyme; ALPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ALPL. No significant cross-reactivity or interference between ALPL and analogues was observed.
Sequence Length	469
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 31pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALPL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALPL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 ALPL elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ALPL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ALPL. 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 ALPL, 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 ALPL in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALPL in human serum, plasma and other biological fluids.
Product Categories/Family for ALPL elisa kit	Enzyme & Kinase; Metabolic pathway; Hepatology; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	187954299
NCBI GeneID	249
Molecular Weight	51,045 Da
NCBI Official Full Name	Alkaline phosphatase, liver/bone/kidney
NCBI Official Synonym Full Names	alkaline phosphatase, liver/bone/kidney
NCBI Official Symbol	ALPL
NCBI Official Synonym Symbols	HOPS; TNAP; APTNAP; TNSALP; AP-TNAP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	ALPL
UniProt Synonym Gene Names	AP-TNAP; TNSALP
UniProt Entry Name	PPBT_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/human-elisa-kits/alkaline-phosphatase-liver-bone-kidney-alpl/139511>