

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

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CATALOG #
AAA67577

REACTIVITY
Mouse

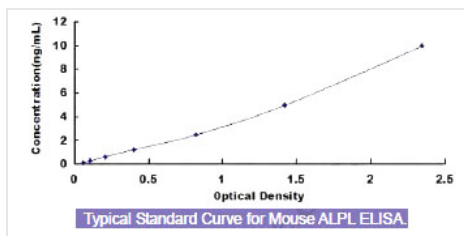
PRODUCT SYNONYMS

Alkaline Phosphatase; Liver/Bone/Kidney (ALPL); Mouse 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	Mouse
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	524
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALPL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALPL in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ALPL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	563317855
NCBI GeneID	11647
NCBI Accession #	NP_001274101.1
NCBI GenBank Nucleotide #	NM_001287172.1
UniProt Accession #	P09242; Q6P1B0
Molecular Weight	57,514 Da
NCBI Official Full Name	alkaline phosphatase, tissue-nonspecific isozyme preproprotein
NCBI Official Synonym Full Names	alkaline phosphatase, liver/bone/kidney
NCBI Official Symbol	Alpl
NCBI Official Synonym Symbols	ALP; Akp2; TNAP; Akp-2; APTNAP; TNSALP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	Alpl
UniProt Synonym Gene Names	Akp-2; Akp2; AP-TNAP; TNSALP

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/mouse-elisa-kits/alkaline-phosphatase-liver-bone-kidney-alpl/67577>