

General Alkaline Phosphatase Assay Kit | ALPL assay kit

Alkaline Phosphatase Assay Kit

CATALOG # AAA105418	REACTIVITY General	APPLICATIONS Functional Assay
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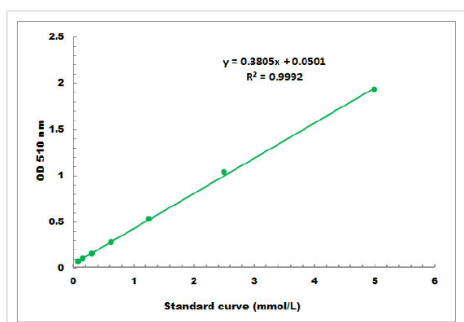
PRODUCT SYNONYMS

Alkaline Phosphatase; Alkaline Phosphatase Assay Kit; ALPL assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	524
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.04 mmol/L - 4 mmol/L
Applicable Applications for ALPL assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALPL assay kit	Background: Alkaline phosphatase (ALP) catalyzes the hydrolysis of phosphate esters in an alkaline environment, resulting in the formation of an organic radical and inorganic phosphate. In mammals, this enzyme is found mainly in the liver and bones. Marked increase in serum ALP levels, a disease known as hyperalkalinephosphatasemia, has been associated with malignant biliary obstruction, primary biliary cirrhosis, primary sclerosing cholangitis, hepatic lymphoma and sarcoidosis. The assay is initiated with the enzymatic hydrolysis of the disodium phenyl phosphate by alkaline phosphatase. The enzyme catalysed reaction products can be measured at a colorimetric readout at 510 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	178462
NCBI GeneID	249
Molecular Weight	51,045 Da

NCBI Official Full Name	alkaline phosphatase
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; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type alkaline phosphatase; alkaline phosphatase liver/bone/kidney 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/general-assay-kits/alkaline-phosphatase/105418>