

Sheep Alkaline Phosphatase, Liver/Bone/Kidney ELISA Kit | ALPL elisa kit

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CATALOG #
AAA91065

REACTIVITY
Sheep

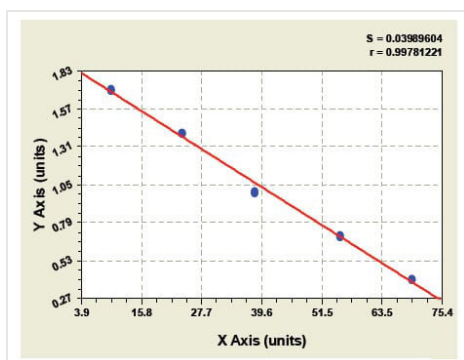
PRODUCT SYNONYMS

Alkaline Phosphatase; Liver/Bone/Kidney; Sheep Alkaline Phosphatase; Liver/Bone/Kidney ELISA Kit; ALPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ALPL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ALPL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALPL elisa kit

Principle of the Assay: ALPL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALPL antibody and an ALPL-HRP conjugate. The assay sample and buffer are incubated together with ALPL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ALPL concentration since ALPL from samples and ALPL-HRP conjugate compete for the anti-ALPL antibody binding site. Since the number of sites is limited, as more sites are occupied by ALPL from the sample, fewer sites are left to bind ALPL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALPL concentration in each sample is interpolated from this standard curve.

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; 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/alpl-sheep-elisa-kits/alkaline-phosphatase-liver-bone-kidney/91065>