

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

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CATALOG #
AAA92210

REACTIVITY
Canine

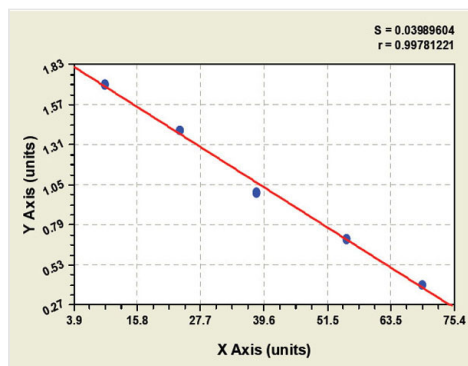
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25U/L
Sensitivity	0.1U/L
Intended Uses	This ALPL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ALPL. This ELISA kit for research use only, not for therapeutic applications
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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.
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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-canine-elisa-kits/alkaline-phosphatase-liver-bone-kidney/92210>