

Rat Alkaline Phosphatase, ALP ELISA Kit | ALP elisa kit

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CATALOG #
AAA43227

REACTIVITY
Rat

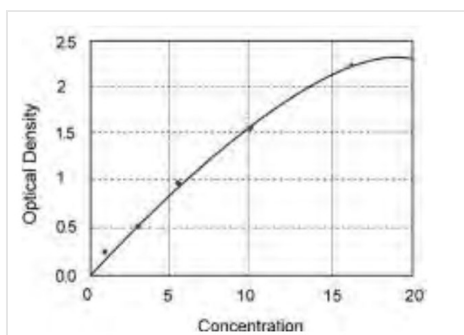
PRODUCT SYNONYMS

Alkaline Phosphatase; ALP; Rat Alkaline Phosphatase; ALP ELISA Kit; ALP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	524
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	3-900U/L
Sensitivity	1.49U/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALP elisa kit

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat ALP antibody. ALP present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat ALP Antibody is added and binds to ALP in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ALP antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat ALP. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat alkaline phosphatase (also known as ALP) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	178462
NCBI GeneID	249
UniProt Accession #	P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6
Molecular Weight	48,909 Da
NCBI Official Full Name	alkaline phosphatase
NCBI Official Synonym Full Names	alkaline phosphatase, biomineralization associated
NCBI Official Symbol	ALPL
NCBI Official Synonym Symbols	HOPS; TNAP; TNALP; 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

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/rat-elisa-kits/alkaline-phosphatase-alp/43227>