

Rat Alkaline Phosphatase, Intestinal (ALPI) ELISA Kit | ALPI elisa kit

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CATALOG #
AAA63964

REACTIVITY
Rat

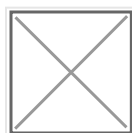
PRODUCT SYNONYMS

Alkaline Phosphatase; Intestinal (ALPI); Rat Alkaline Phosphatase; Intestinal (ALPI) ELISA Kit; CIP; IAP; Calf Intestinal Alkaline Phosphatase; ALPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ALPI. No significant cross-reactivity or interference between ALPI and analogues was observed.
Sequence Length	540
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALPI 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 ALPI 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 ALPI elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ALPI in rat 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 ALPI. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ALPI. 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 ALPI, 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 ALPI in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	292494917
NCBI GeneID	24197
NCBI Accession #	NP_073156.3
NCBI GenBank Nucleotide #	NM_022665.3
UniProt Accession #	G3V8I1; P15693
Molecular Weight	58,372 Da
NCBI Official Full Name	intestinal-type alkaline phosphatase 1
NCBI Official Synonym Full Names	alkaline phosphatase, intestinal
NCBI Official Symbol	Alpi
NCBI Official Synonym Symbols	Alp1; S51097
NCBI Protein Information	intestinal-type alkaline phosphatase 1
UniProt Protein Name	Alkaline phosphatase
UniProt Gene Name	Alpi

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-intestinal-alpi/63964>