

Rat Alkaline Phosphatase, Intestinal ELISA Kit | ALPI elisa kit

Rat Alkaline Phosphatase, Intestinal ELISA Kit

CATALOG #
AAA87530

REACTIVITY
Rat

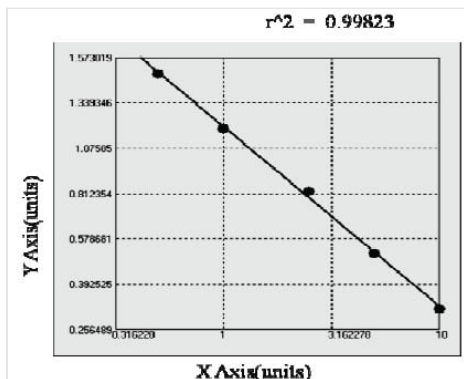
PRODUCT SYNONYMS

Alkaline Phosphatase; Intestinal; Rat Alkaline Phosphatase; Intestinal ELISA Kit; ALPI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ALPI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ALPI. 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 ALPI elisa kit

Principle of the Assay: ALPI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALPI antibody and an ALPI-HRP conjugate. The assay sample and buffer are incubated together with ALPI-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 ALPI concentration since ALPI from samples and ALPI-HRP conjugate compete for the anti-ALPI antibody binding site. Since the number of sites is limited, as more sites are occupied by ALPI from the sample, fewer sites are left to bind ALPI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALPI concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124376142
NCBI GeneID	248
Molecular Weight	56,812 Da
NCBI Official Full Name	Alkaline phosphatase, intestinal
NCBI Official Synonym Full Names	alkaline phosphatase, intestinal
NCBI Official Symbol	ALPI
NCBI Official Synonym Symbols	IAP
NCBI Protein Information	intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase
UniProt Protein Name	Intestinal-type alkaline phosphatase
UniProt Gene Name	ALPI
UniProt Synonym Gene Names	IAP; Intestinal alkaline phosphatase
UniProt Entry Name	PPBI_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/alpi-rat-elisa-kits/alkaline-phosphatase-intestinal/87530>