

Rat Bone Alkaline Phosphatase ELISA Kit | BALP elisa kit

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CATALOG #
AAA16071

REACTIVITY
Rat

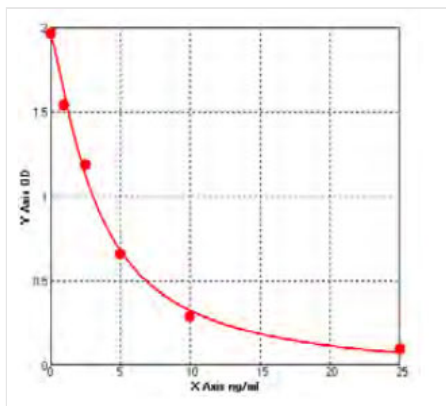
PRODUCT SYNONYMS

Bone Alkaline Phosphatase; Rat Bone Alkaline Phosphatase ELISA Kit; BALP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BALP. No significant cross-reactivity or interference between BALP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BALP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BALP elisa kit	Principle of the Assay: BALP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BALP antibody and an BALP-HRP conjugate. The assay sample and buffer are incubated together with BALP-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 BALP concentration since BALP from samples and BALP-HRP conjugate compete for the anti-BALP antibody binding site. Since the number of sites is limited, as more sites are occupied by BALP from the sample, fewer sites are left to bind BALP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BALP concentration in each sample is interpolated from this standard curve. Intended Uses: This BALP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BALP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194133809
Molecular Weight	42,112 Da
NCBI Official Full Name	bap
UniProt Protein Name	BAP
UniProt Gene Name	bap
UniProt Synonym Gene Names	Dsecap; Dsec_GM10423; GM10423
UniProt Entry Name	B2ZIB7_DROSE

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/balp-rat-elisa-kits/bone-alkaline-phosphatase/16071>