

Human Bone Alkaline Phosphatase ELISA Kit | BALP elisa kit

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CATALOG #
AAA16192

REACTIVITY
Human

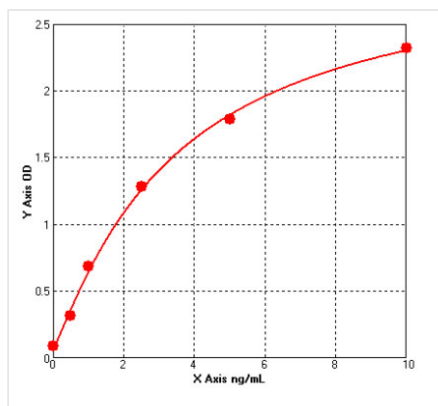
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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 or Sandwich
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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for BALP. Standards or samples are then added to the microtiter plate wells and BALP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BALP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BALP are added to each well to "sandwich" the BALP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain BALP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 Human BALP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
References	Inflammatory cytokines in Paget's disease of bone . Gláucio Ricardo Werner de Castroa, Ziliani Bussc, Julia Salvan Da Rosac, Tânia Silvia Frödec (2014)

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://www.aaabiotech.com/balp-human-elisa-kits/bone-alkaline-phosphatase/16192>