

Human Bone Morphogenetic Protein 1 ELISA Kit | BMP1 elisa kit

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CATALOG #
AAA84457

REACTIVITY
Human

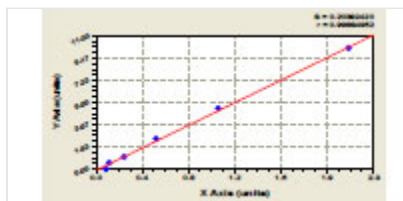
PRODUCT SYNONYMS

Bone Morphogenetic Protein 1; Human Bone Morphogenetic Protein 1 ELISA Kit; BMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP1 elisa kit

Intended Uses: This BMP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BMP-1. This ELISA kit for research use only!

Principle of the Assay: BMP-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for BMP-1. Standards or samples are then added to the microtiter plate wells and BMP-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BMP-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BMP-1 are added to each well to "sandwich" the BMP-1 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 BMP-1 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 BMP-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BMP1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453579
NCBI GeneID	649
NCBI Accession #	NP_006120.1
NCBI GenBank Nucleotide #	NM_006129.4
Molecular Weight	92,655 Da
NCBI Official Full Name	bone morphogenetic protein 1 isoform 3
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	BMP1
NCBI Official Synonym Symbols	PCP; TLD; OI13; PCP2; PCOLC
NCBI Protein Information	bone morphogenetic protein 1; mammalian tolloid protein; procollagen C-proteinase 3; procollagen C-endopeptidase
UniProt Protein Name	Bone morphogenetic protein 1
UniProt Gene Name	BMP1
UniProt Synonym Gene Names	PCOLC; BMP-1; mTld; PCP
UniProt Entry Name	BMP1_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.

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Online datasheet: <https://stage.aaabiotech.com/bmp1-human-elisa-kits/bone-morphogenetic-protein-1/84457>