

Human Bone Morphogenetic Protein 3 (BMP3) ELISA Kit | BMP3 elisa kit

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CATALOG #
AAA64807

REACTIVITY
Human

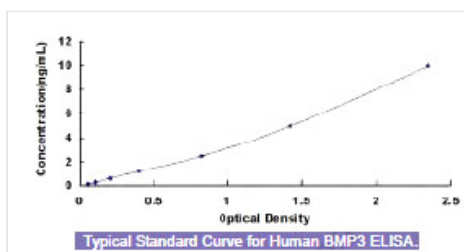
PRODUCT SYNONYMS

Bone Morphogenetic Protein 3 (BMP3); Human Bone Morphogenetic Protein 3 (BMP3) ELISA Kit; BMP3A; BMP-3A; Osteogenic; BMP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP3. No significant cross-reactivity or interference between BMP3 and analogues was observed.
Sequence Length	472
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP3 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 BMP3 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 BMP3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMP3 in human 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 BMP3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMP3. 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 BMP3, 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 BMP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1047225540
NCBI GeneID	651
NCBI Accession #	NP_001192.3
NCBI GenBank Nucleotide #	NM_001201.3
UniProt Accession #	P12645; Q4VAS5
Molecular Weight	53,372 Da
NCBI Official Full Name	bone morphogenetic protein 3 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 3
NCBI Official Symbol	BMP3
NCBI Official Synonym Symbols	BMP-3A
NCBI Protein Information	bone morphogenetic protein 3
UniProt Protein Name	Bone morphogenetic protein 3
UniProt Gene Name	BMP3
UniProt Synonym Gene Names	BMP3A; BMP-3; BMP-3A

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/human-elisa-kits/bone-morphogenetic-protein-3-bmp3/64807>