

Human Bone Morphogenetic Protein 7 (BMP7) ELISA Kit | BMP7 elisa kit

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CATALOG #
AAA67691

REACTIVITY
Human

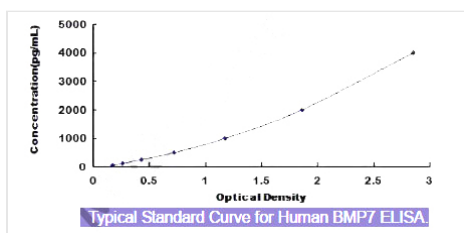
PRODUCT SYNONYMS

Bone Morphogenetic Protein 7 (BMP7); Human Bone Morphogenetic Protein 7 (BMP7) ELISA Kit; OP1; Osteogenic Protein-1; Eptotermin alfa; BMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP7. No significant cross-reactivity or interference between BMP7 and analogues was observed.
Sequence Length	431
Samples	Human serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	<23.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP7 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 BMP7 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 BMP7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BMP7 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMP7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMP7. 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 BMP7, 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 BMP7 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 #	4502427
NCBI GeneID	655
NCBI Accession #	NP_001710.1
NCBI GenBank Nucleotide #	NM_001719.2
UniProt Accession #	P18075; Q9H512; Q9NTQ7
Molecular Weight	49,313 Da
NCBI Official Full Name	bone morphogenetic protein 7 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 7
NCBI Official Symbol	BMP7
NCBI Official Synonym Symbols	OP-1
NCBI Protein Information	bone morphogenetic protein 7
UniProt Protein Name	Bone morphogenetic protein 7
UniProt Gene Name	BMP7
UniProt Synonym Gene Names	OP1; BMP-7; OP-1

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-7-bmp7/67691>