

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

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CATALOG #
AAA189775

REACTIVITY
Mouse

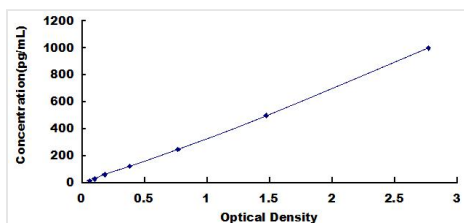
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.8pg/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BMP3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMP3 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for BMP3 elisa kit	Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	27734166
NCBI GeneID	110075
NCBI Accession #	NP_775580.1
NCBI GenBank Nucleotide #	NM_173404.3
UniProt Accession #	Q8BHE5
Molecular Weight	52,774 Da
NCBI Official Full Name	bone morphogenetic protein 3
NCBI Official Synonym Full Names	bone morphogenetic protein 3
NCBI Official Symbol	Bmp3
NCBI Official Synonym Symbols	9130206H07; 9530029I04Rik
NCBI Protein Information	bone morphogenetic protein 3; BMP-3
UniProt Protein Name	Bone morphogenetic protein 3
UniProt Gene Name	Bmp3
UniProt Synonym Gene Names	BMP-3
UniProt Entry Name	BMP3_MOUSE

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/mouse-elisa-kits/bone-morphogenetic-protein-3-bmp3/189775>