

Mouse Bone Morphogenetic Protein 1 (BMP1) ELISA Kit | BMP1 elisa kit

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CATALOG #
AAA135985

REACTIVITY
Mouse

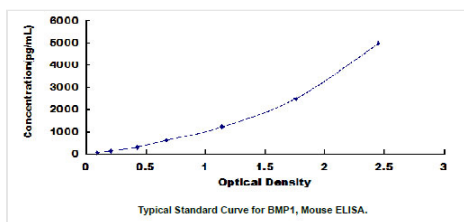
PRODUCT SYNONYMS

Bone Morphogenetic Protein 1 (BMP1); Mouse Bone Morphogenetic Protein 1 (BMP1) ELISA Kit; PCOLC; PCP; TLD; mTld; Procollagen C Proteinase; Mammalian tolloid protein; BMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP1. No significant cross-reactivity or interference between BMP1 and analogues was observed.
Sequence Length	991
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP1 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 BMP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 BMP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMP1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BMP1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BMP1. 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 BMP1, 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 BMP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BMP1 elisa kit	Developmental science
References	Adventitial SCA-1+ Progenitor Cell Gene Sequencing Reveals the Mechanisms of Cell Migration in Response to Hyperlipidemia; Stem Cell Reports; 2017 Aug 8;9(2):681-696.; PMID: 28757161; Ioannis Kokkinopoulos; Cardiovascular Division, King's College London BHF Centre, 125 Coldharbour Lane, London SE5 9NU, UK.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42734447
NCBI GeneID	12153
NCBI Accession #	NP_033885.2
NCBI GenBank Nucleotide #	NM_009755.3
UniProt Accession #	P98063; Q6NZM2
Molecular Weight	111,666 Da
NCBI Official Full Name	bone morphogenetic protein 1
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	Bmp1
NCBI Official Synonym Symbols	Pcp; Tld
NCBI Protein Information	bone morphogenetic protein 1
UniProt Protein Name	Bone morphogenetic protein 1
UniProt Gene Name	Bmp1
UniProt Synonym Gene Names	BMP-1; mTld; PCP
UniProt Entry Name	BMP1_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.