

Mouse bone morphogenetic protein 4 ELISA Kit | BMP4 elisa kit

Mouse Bone morphogenetic protein 4, BMP-4 ELISA Kit

CATALOG #
AAA15551

REACTIVITY
Mouse

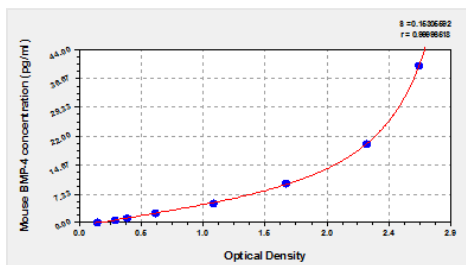
PRODUCT SYNONYMS

bone morphogenetic protein 4; Mouse Bone morphogenetic protein 4; BMP-4 ELISA Kit; BMP2B; BMP2B1; MCOPS6; OFC11; ZYME; bone morphogenetic protein 2B; BMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse BMP-4. No significant cross-reactivity or interference between mouse BMP-4 and analogues was observed.
Sequence Length	408
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and tissue homogenates
Detection Range	0.625 pg/ml-40 pg/ml
Sensitivity	< 0.156 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for BMP-4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BMP-4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BMP-4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BMP-4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	Ah Receptor Activation by Dioxin Disrupts Activin, BMP, and WNT Signals During the Early Differentiation of Mouse Embryonic Stem Cells and Inhibits Cardiomyocyte Functions . Qin Wang, Hisaka Kurita, Vinicius Carreira, Chia-I Ko, Yunxia Fan, Xiang Zhang, Jacek Biesiada, Mario Medvedovic and Alvaro Puga (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	121949823
NCBI GeneID	12159
NCBI Accession #	NP_031580.2
NCBI GenBank Nucleotide #	NM_007554.2
UniProt Accession #	P21275
Molecular Weight	46,497 Da
NCBI Official Full Name	bone morphogenetic protein 4
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	Bmp4
NCBI Official Synonym Symbols	Bmp-4; Bmp2b; Bmp2b1; Bmp2b-1
NCBI Protein Information	bone morphogenetic protein 4; bone morphogenetic protein 2B
UniProt Protein Name	Bone morphogenetic protein 4
UniProt Gene Name	Bmp4
UniProt Synonym Gene Names	Bmp-4; Dvr-4; BMP-4; BMP-2B
UniProt Entry Name	BMP4_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://www.aaabiotech.com/bmp4-mouse-elisa-kits/bone-morphogenetic-protein-4/15551>