

Human bone morphogenetic protein 4 ELISA Kit | BMP4 elisa kit

Human bone morphogenetic protein 4, BMP4 ELISA Kit

CATALOG #
AAA79975

REACTIVITY
Human

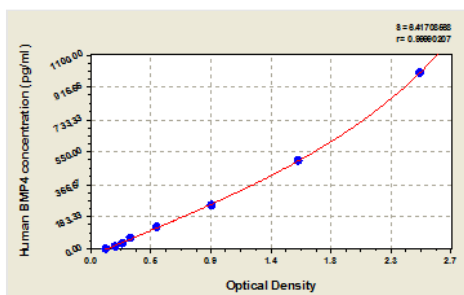
PRODUCT SYNONYMS

bone morphogenetic protein 4; Human bone morphogenetic protein 4; BMP4 ELISA Kit; Human bone morphogenetic protein 4 (BMP4) ELISA Kit; BMP2B; BMP2B1; MCOPS6; OFC11; ZYME; bone morphogenetic protein 2B; BMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The minimum detectable dose of human BMP4 is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Sequence Length	408
Samples	Serum, plasma, cell culture supernates
Assay Type	Quantitative Sandwich
Sensitivity	15.6 pg/ml-1000 pg/ml
Intra-assay Precision	This assay has high sensitivity and excellent specificity for detection of human BMP4. No significant cross-reactivity or interference between human BMP4 and analogues was observed.
Inter-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.
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 BMP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BMP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BMP4 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 BMP4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157276593
NCBI GeneID	652
NCBI Accession #	NP_001193.2
NCBI GenBank Nucleotide #	NM_001202.3
UniProt Accession #	P12644; Q9UM80
Molecular Weight	46,555 Da
NCBI Official Full Name	bone morphogenetic protein 4 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	BMP4
NCBI Official Synonym Symbols	ZYME; BMP2B; OFC11; BMP2B1; MCOPS6
NCBI Protein Information	bone morphogenetic protein 4; BMP-4; BMP-2B; bone morphogenetic protein 2B
UniProt Protein Name	Bone morphogenetic protein 4
UniProt Gene Name	BMP4
UniProt Synonym Gene Names	BMP2B; DVR4; BMP-4; BMP-2B
UniProt Entry Name	BMP4_HUMAN

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/bmp4-human-elisa-kits/bone-morphogenetic-protein-4/79975>