

Rat bone morphogenetic protein 4 ELISA Kit | BMP4 elisa kit

Rat Bone morphogenetic protein 4, BMP-4 ELISA Kit

CATALOG #
AAA79919

REACTIVITY
Rat

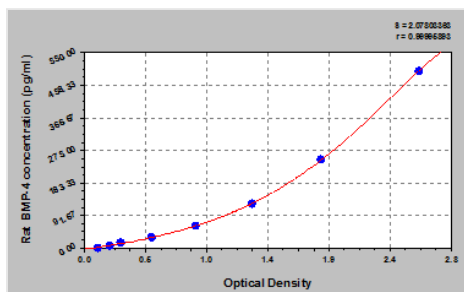
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat BMP-4. No significant cross-reactivity or interference between rat BMP-4 and analogues was observed.
Sequence Length	409
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	7.8 pg/ml -500 pg/ml.
Sensitivity	The minimum detectable dose of rat BMP-4 is typically less than 1.95 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.
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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2149144
NCBI GeneID	30612
UniProt Accession #	O46576
Molecular Weight	46,641 Da
NCBI Official Full Name	BMP4
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	bmp4
NCBI Official Synonym Symbols	bmp-4; zbmp-4; zgc:100779
NCBI Protein Information	bone morphogenetic protein 4; etlD309887.17
UniProt Protein Name	Bone morphogenetic protein 4
UniProt Gene Name	BMP4
UniProt Synonym Gene Names	BMP-4; BMP-4
UniProt Entry Name	BMP4_RABIT

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-rat-elisa-kits/bone-morphogenetic-protein-4/79919>