

Rat Bone Morphogenetic Protein 4 (BMP4) CLIA Kit | BMP4 clia kit

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CATALOG # AAA188778	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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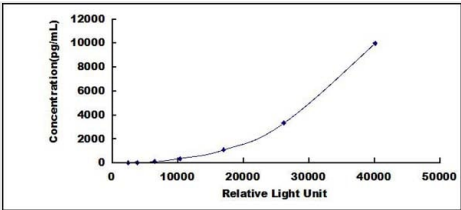
PRODUCT SYNONYMS

Bone Morphogenetic Protein 4 (BMP4); Rat Bone Morphogenetic Protein 4 (BMP4) CLIA Kit; Bone Morphogenetic Protein 4; BMP2B; BMP2-B; BMP2B1; ZYME; DVR4; Bone morphogenetic protein 2B; BMP4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Bone Morphogenetic Protein 4 (BMP4). No significant cross-reactivity or interference between Bone Morphogenetic Protein 4 (BMP4) and analogues was observed.
Sequence Length	408
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	13.7-10000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.1pg/mL
Applicable Applications for BMP4 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Bone Morphogenetic Protein 4 (BMP4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Bone Morphogenetic Protein 4 (BMP4) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Bone Morphogenetic Protein 4 (BMP4). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Bone Morphogenetic Protein 4 (BMP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Bone Morphogenetic Protein 4 (BMP4) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	543902
NCBI GeneID	25296
UniProt Accession #	Q06826
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	BOMPR4A
NCBI Protein Information	bone morphogenetic protein 4
UniProt Protein Name	Bone morphogenetic protein 4
UniProt Gene Name	Bmp4
UniProt Synonym Gene Names	Bmp-4; Dvr-4; BMP-4; BMP-2B

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/rat-clia-kits/bone-morphogenetic-protein-4-bmp4/188778>