

Human Bone Morphogenetic Protein 2 (BMP2) CLIA Kit | BMP2 clia kit

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CATALOG #
AAA130433

REACTIVITY
Human

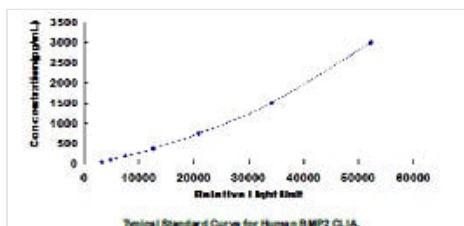
PRODUCT SYNONYMS

Bone Morphogenetic Protein 2 (BMP2); Human Bone Morphogenetic Protein 2 (BMP2) CLIA Kit; BMP2A; BMP-2A; Hemochromatosis Modifier; BMP2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Bone Morphogenetic Protein 2 (BMP2). No significant cross-reactivity or interference between Bone Morphogenetic Protein 2 (BMP2) and analogues was observed.
Sequence Length	396
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.37-1,000pg/mL
Sensitivity	0.55pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Bone Morphogenetic Protein 2 (BMP2) 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 2 (BMP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 BMP2 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Bone Morphogenetic Protein 2 (BMP2). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Bone Morphogenetic Protein 2 (BMP2). 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 2 (BMP2) level in the sample or standard.;
Product Categories/Family for BMP2 clia kit	Developmental science; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557369
NCBI GeneID	650
NCBI Accession #	NP_001191.1
NCBI GenBank Nucleotide #	NM_001200.2
UniProt Accession #	P12643
Molecular Weight	44,702 Da
NCBI Official Full Name	bone morphogenetic protein 2 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A
NCBI Protein Information	bone morphogenetic protein 2
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	BMP2
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A
UniProt Entry Name	BMP2_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/human-clia-kits/bone-morphogenetic-protein-2-bmp2/130433>