

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

CLIA Kit for Bone Morphogenetic Protein 2 (BMP2)

CATALOG #
AAA130499

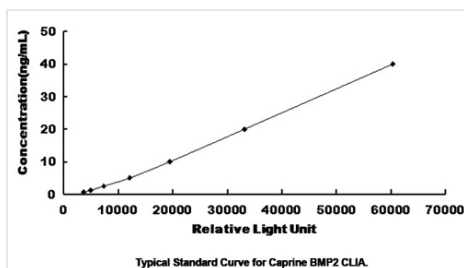
PRODUCT SYNONYMS

Bone Morphogenetic Protein 2 (BMP2); CLIA Kit for Bone Morphogenetic Protein 2 (BMP2); BMP2 clia kit

PRODUCT SPECIFICATIONS

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	Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.055-40ng/mL. The standard curve concentrations used for the ELISA's were 40ng/mL, 13.33ng/mL, 4.44ng/mL, 1.48ng/mL, 0.494ng/mL, 0.165ng/mL, 0.055ng/mL.
Sensitivity	The minimum detectable dose of this kit is typically less than 0.158ng/mL.
Precision	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. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Capra hircus; Caprine (Goat)
Assay Length	4.5 hours
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 microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. 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.
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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; BMP-2A; bone morphogenetic protein 2A
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/clia-kits/bone-morphogenetic-protein-2-bmp2/130499>