

Mouse Bone Morphogenetic Protein 10 (BMP10) RTU ELISA Kit | BMP10 rtu elisa kit

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CATALOG #
AAA69361

REACTIVITY
Mouse

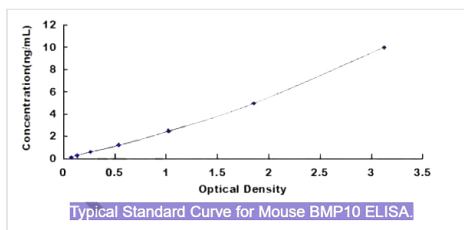
PRODUCT SYNONYMS

Bone Morphogenetic Protein 10 (BMP10); Mouse Bone Morphogenetic Protein 10 (BMP10) ELISA Kit; BMP10 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP10. No significant cross-reactivity or interference between BMP10 and analogues was observed.
Sequence Length	421
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids.
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP10 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BMP10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP10 rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMP10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMP10. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BMP10, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of BMP10 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of BMP10 in mouse serum, plasma, tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157837977
NCBI GeneID	12154
NCBI Accession #	NP_033886.2
NCBI GenBank Nucleotide #	NM_009756.3
UniProt Accession #	Q9R229; Q9Z1V8; A6H6S5
Molecular Weight	47,888 Da
NCBI Official Full Name	bone morphogenetic protein 10 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 10
NCBI Official Symbol	Bmp10
NCBI Official Synonym Symbols	b2b2711Clo
NCBI Protein Information	bone morphogenetic protein 10
UniProt Protein Name	Bone morphogenetic protein 10
UniProt Gene Name	Bmp10
UniProt Synonym Gene Names	BMP-10

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/mouse-rtu-elisa-kits/bone-morphogenetic-protein-10-bmp10/69361>