

Mouse Bone Morphogenetic Protein 8B (BMP8B) ELISA Kit | BMP8B elisa kit

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CATALOG #
AAA63328

REACTIVITY
Mouse

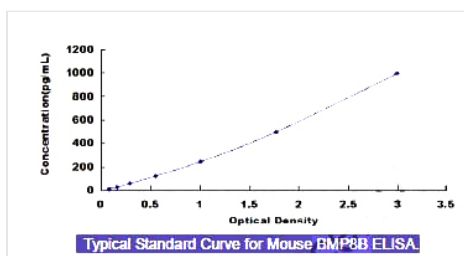
PRODUCT SYNONYMS

Bone Morphogenetic Protein 8B (BMP8B); Mouse Bone Morphogenetic Protein 8B (BMP8B) ELISA Kit; BMP8-B; OP2; Osteogenic Protein 2; BMP8B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP8B. No significant cross-reactivity or interference between BMP8B and analogues was observed.
Sequence Length	399
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	6.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP8B 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 BMP8B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP8B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMP8B in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMP8B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMP8B. 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 BMP8B, 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 BMP8B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31560733
NCBI GeneID	12164
NCBI Accession #	NP_031585.2
NCBI GenBank Nucleotide #	NM_007559.5
UniProt Accession #	P55105; Q8BNM2
Molecular Weight	44,943 Da
NCBI Official Full Name	bone morphogenetic protein 8B preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 8b
NCBI Official Symbol	Bmp8b
NCBI Official Synonym Symbols	Op3
NCBI Protein Information	bone morphogenetic protein 8B
UniProt Protein Name	Bone morphogenetic protein 8B
UniProt Gene Name	Bmp8b
UniProt Synonym Gene Names	BMP-8B

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-elisa-kits/bone-morphogenetic-protein-8b-bmp8b/63328>