

Canine Bone Morphogenetic Protein 4 (BMP4) ELISA Kit | BMP4 elisa kit

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CATALOG #
AAA65426

REACTIVITY
Canine

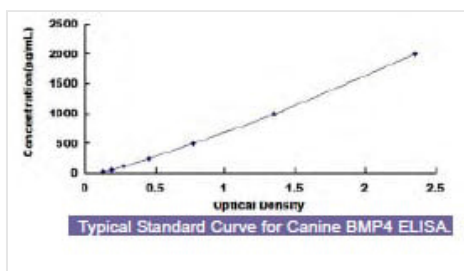
PRODUCT SYNONYMS

Bone Morphogenetic Protein 4 (BMP4); Canine Bone Morphogenetic Protein 4 (BMP4) ELISA Kit; BMP2B; BMP2-B; BMP2B1; ZYME; DVR4; Bone morphogenetic protein 2B; BMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP4. No significant cross-reactivity or interference between BMP4 and analogues was observed.
Sequence Length	409
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	13.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP4 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 BMP4 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 BMP4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BMP4 in canine serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to BMP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to BMP4. 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 BMP4, 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 BMP4 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 #	562153400
NCBI GeneID	490695
NCBI Accession #	NP_001274099.1
NCBI GenBank Nucleotide #	NM_001287170.1
UniProt Accession #	F1PDL1
Molecular Weight	46,698 Da
NCBI Official Full Name	bone morphogenetic protein 4
NCBI Official Symbol	BMP4
NCBI Protein Information	bone morphogenetic protein 4
UniProt Protein Name	Uncharacterized protein
UniProt Gene Name	BMP4

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.