

Canine Bone Morphogenetic Protein 4 ELISA Kit | BMP4 elisa kit

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CATALOG #
AAA92228

REACTIVITY
Canine

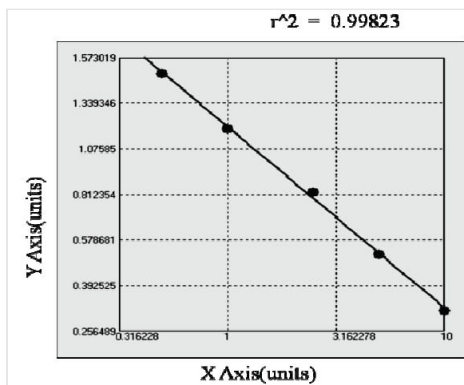
PRODUCT SYNONYMS

Bone Morphogenetic Protein 4; Canine Bone Morphogenetic Protein 4 ELISA Kit; BMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This BMP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BMP4. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP4 elisa kit	Principle of the Assay: BMP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP4 antibody and an BMP4-HRP conjugate. The assay sample and buffer are incubated together with BMP4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BMP4 concentration since BMP4 from samples and BMP4-HRP conjugate compete for the anti-BMP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP4 from the sample, fewer sites are left to bind BMP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP4 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2149144
NCBI GeneID	30612
Molecular Weight	45,758 Da
NCBI Official Full Name	BMP4
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	bmp4
NCBI Official Synonym Symbols	bmp-4; zbmp-4; zgc:100779
NCBI Protein Information	bone morphogenetic protein 4; etlD309887.17
UniProt Protein Name	BMP4
UniProt Gene Name	bmp4
UniProt Synonym Gene Names	BMP4
UniProt Entry Name	O13107_DANRE

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/bmp4-canine-elisa-kits/bone-morphogenetic-protein-4/92228>