

Canine Bone Morphogenetic Protein 9 ELISA Kit | BMP9 elisa kit

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CATALOG #
AAA90503

REACTIVITY
Canine

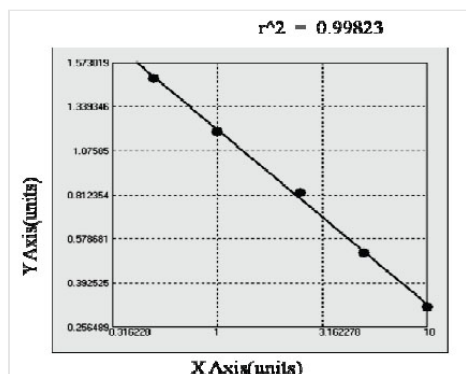
PRODUCT SYNONYMS

Bone Morphogenetic Protein 9; Canine Bone Morphogenetic Protein 9 ELISA Kit; BMP9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This BMP9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BMP9. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP9 elisa kit

Principle of the assay: BMP9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP9 antibody and an BMP9-HRP conjugate. The assay sample and buffer are incubated together with BMP9-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 BMP9 concentration since BMP9 from samples and BMP9-HRP conjugate compete for the anti-BMP9 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP9 from the sample, fewer sites are left to bind BMP9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP9 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5932438
Molecular Weight	47,320 Da
NCBI Official Full Name	bone morphogenetic protein 9
UniProt Protein Name	Growth/differentiation factor 2
UniProt Gene Name	GDF2
UniProt Synonym Gene Names	BMP9; GDF-2; BMP-9
UniProt Entry Name	GDF2_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.

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Online datasheet: <https://stage.aaabiotech.com/bmp9-canine-elisa-kits/bone-morphogenetic-protein-9/90503>