

Canine Bone Morphogenetic Protein 10 ELISA Kit | BMP10 elisa kit

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CATALOG #
AAA92804

REACTIVITY
Canine

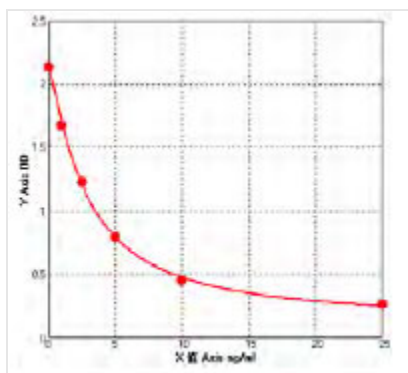
PRODUCT SYNONYMS

Bone Morphogenetic Protein 10; Canine Bone Morphogenetic Protein 10 ELISA Kit; BMP10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP-10. No significant cross-reactivity or interference between BMP-10 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BMP-10 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP10 elisa kit	Intended Uses: This BMP-10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine BMP-10. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BMP-10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BMP-10 antibody and an BMP-10-HRP conjugate. The assay sample and buffer are incubated together with BMP-10-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 BMP-10 concentration since BMP-10 from samples and BMP-10-HRP conjugate compete for the anti-BMP-10 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP-10 from the sample, fewer sites are left to bind BMP-10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP-10 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP10 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7656928
NCBI GeneID	27302
NCBI Accession #	NP_055297.1
NCBI GenBank Nucleotide #	NM_014482.1
Molecular Weight	48,047 Da
NCBI Official Full Name	bone morphogenetic protein 10 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 10
NCBI Official Symbol	BMP10
NCBI Protein Information	bone morphogenetic protein 10
UniProt Protein Name	Bone morphogenetic protein 10
UniProt Gene Name	BMP10
UniProt Synonym Gene Names	BMP-10
UniProt Entry Name	BMP10_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/bmp10-canine-elisa-kits/bone-morphogenetic-protein-10/92804>