

Bovine Bone Morphogenetic Protein 10 ELISA Kit | BMP10 elisa kit

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CATALOG #
AAA90451

REACTIVITY
Bovine

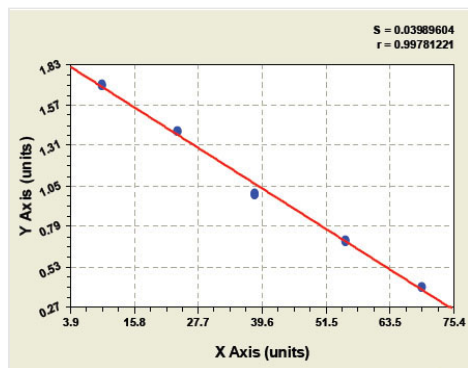
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/ml
Sensitivity	1.0pg/ml
Intended Uses	This BMP10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine BMP10. 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 BMP10 elisa kit

Principle of the Assay: BMP10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP10 antibody and an BMP10-HRP conjugate. The assay sample and buffer are incubated together with BMP10-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 BMP10 concentration since BMP10 from samples and BMP10-HRP conjugate compete for the anti-BMP10 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP10 from the sample, fewer sites are left to bind BMP10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP10 concentration in each sample is interpolated from this standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/bmp10-bovine-ovine-elisa-kits/bone-morphogenetic-protein-10/90451>