

Sheep Bone Morphogenetic Protein 1 ELISA Kit | BMP1 elisa kit

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CATALOG #
AAA89177

REACTIVITY
Sheep

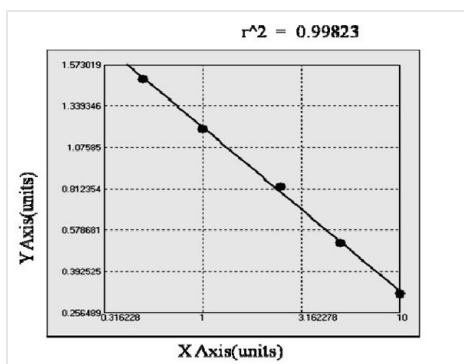
PRODUCT SYNONYMS

Bone Morphogenetic Protein 1; Sheep Bone Morphogenetic Protein 1 ELISA Kit; BMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BMP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep BMP1. 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 BMP1 elisa kit

Principle of the Assay: BMP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP1 antibody and an BMP1-HRP conjugate. The assay sample and buffer are incubated together with BMP1-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 BMP1 concentration since BMP1 from samples and BMP1-HRP conjugate compete for the anti-BMP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP1 from the sample, fewer sites are left to bind BMP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BMP1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453579
NCBI GeneID	649
NCBI Accession #	NP_006120.1
NCBI GenBank Nucleotide #	NM_006129.4
Molecular Weight	92,655 Da
NCBI Official Full Name	bone morphogenetic protein 1 isoform 3
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	BMP1
NCBI Official Synonym Symbols	PCP; TLD; OI13; PCP2; PCOLC
NCBI Protein Information	bone morphogenetic protein 1; mammalian tolloid protein; procollagen C-proteinase 3; procollagen C-endopeptidase
UniProt Protein Name	Bone morphogenetic protein 1
UniProt Gene Name	BMP1
UniProt Synonym Gene Names	PCOLC; BMP-1; mTld; PCP
UniProt Entry Name	BMP1_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/bmp1-sheep-elisa-kits/bone-morphogenetic-protein-1/89177>