

Sheep Bone Morphogenetic Protein 2 ELISA Kit | BMP2 elisa kit

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CATALOG #
AAA93540

REACTIVITY
Sheep

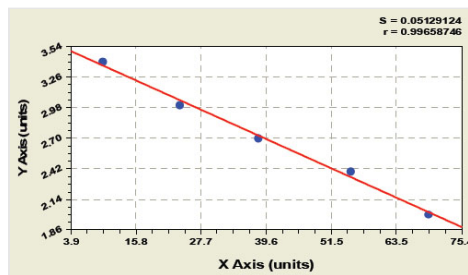
PRODUCT SYNONYMS

Bone Morphogenetic Protein 2; Sheep Bone Morphogenetic Protein 2 ELISA Kit; BMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 BMP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep BMP-2. 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 BMP2 elisa kit

Principle of the Assay: BMP-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP-2 antibody and an BMP-2-HRP conjugate. The assay sample and buffer are incubated together with BMP-2-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-2 concentration since BMP-2 from samples and BMP-2-HRP conjugate compete for the anti-BMP-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP-2 from the sample, fewer sites are left to bind BMP-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BMP2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557369
NCBI GeneID	650
NCBI Accession #	NP_001191.1
NCBI GenBank Nucleotide #	NM_001200.2
Molecular Weight	44,702 Da
NCBI Official Full Name	bone morphogenetic protein 2 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A
NCBI Protein Information	bone morphogenetic protein 2; BMP-2A; bone morphogenetic protein 2A
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	BMP2
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A
UniProt Entry Name	BMP2_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/bmp2-sheep-elisa-kits/bone-morphogenetic-protein-2/93540>