

Porcine Bone Morphogenetic Protein 7 ELISA Kit | BMP7 elisa kit

Porcine Bone Morphogenetic Protein 7 ELISA Kit

CATALOG # AAA91328	REACTIVITY Porcine
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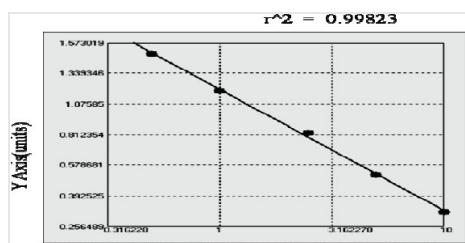
PRODUCT SYNONYMS

Bone Morphogenetic Protein 7; Porcine Bone Morphogenetic Protein 7 ELISA Kit; BMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This BMP-7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine BMP-7. 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 BMP7 elisa kit	Principle of the assay: BMP-7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BMP-7 antibody and an BMP-7-HRP conjugate. The assay sample and buffer are incubated together with BMP-7-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-7 concentration since BMP-7 from samples and BMP-7-HRP conjugate compete for the anti-BMP-7 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP-7 from the sample, fewer sites are left to bind BMP-7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP-7 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for BMP7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502427
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NCBI GeneID	655
NCBI Accession #	NP_001710.1
NCBI GenBank Nucleotide #	NM_001719.2
Molecular Weight	49,313 Da
NCBI Official Full Name	bone morphogenetic protein 7
NCBI Official Synonym Full Names	bone morphogenetic protein 7
NCBI Official Symbol	BMP7
NCBI Official Synonym Symbols	OP-1
NCBI Protein Information	bone morphogenetic protein 7; osteogenic protein 1
UniProt Protein Name	Bone morphogenetic protein 7
UniProt Gene Name	BMP7
UniProt Synonym Gene Names	OP1; BMP-7; OP-1
UniProt Entry Name	BMP7_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/bmp7-porcine-elisa-kits/bone-morphogenetic-protein-7/91328>