

Guinea Pig Bone Morphogenetic Protein 7 ELISA Kit | BMP7 elisa kit

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CATALOG #
AAA82348

REACTIVITY
Guinea Pig

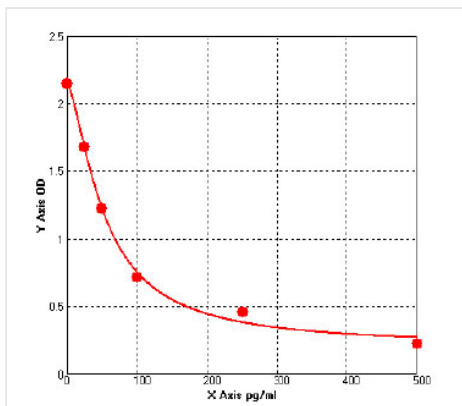
PRODUCT SYNONYMS

Bone Morphogenetic Protein 7; Guinea pig Bone Morphogenetic Protein 7 ELISA Kit; BMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP7. No significant cross-reactivity or interference between BMP7 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BMP7 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP7 elisa kit	Intended Uses: This BMP7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig BMP7. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: BMP7 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BMP7 antibody and an BMP7-HRP conjugate. The assay sample and buffer are incubated together with BMP7-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 BMP7 concentration since BMP7 from samples and BMP7-HRP conjugate compete for the anti-BMP7 antibody binding site. Since the number of sites is limited, as more sites are occupied by BMP7 from the sample, fewer sites are left to bind BMP7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BMP7 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
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-guinea-pig-pig-elisa-kits/bone-morphogenetic-protein-7/82348>