

Mouse BMP7 ELISA Kit | BMP7 elisa kit

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CATALOG #
AAA263104

REACTIVITY
Mouse

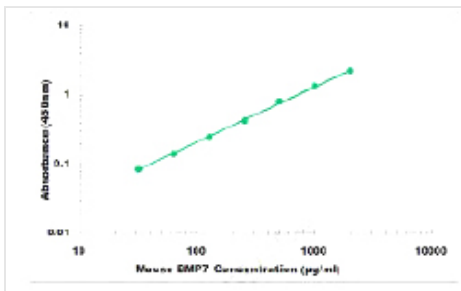
PRODUCT SYNONYMS

BMP7; Mouse BMP7 ELISA Kit; OP1; Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1; OP-1; Eptotermin alfa; BMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse BMP7 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse BMP7 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	430
Samples	Bone Tissue, Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP7 elisa kit

Principle of the Assay: The Mouse BMP7 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse BMP7 in Bone Tissue, Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse BMP7 coated on a 96-well plate. Standards and samples are pipetted into the wells and BMP7 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse BMP7 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of BMP7 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Bone morphogenetic protein 7 or BMP7 (also known as osteogenic protein-1 or OP-1) is a protein that in humans is encoded by the BMP7 gene. The protein encoded by this gene is a member of the TGF-beta superfamily. Like other members of the bone morphogenetic protein family of proteins, it plays a key role in the transformation of mesenchymal cells into bone and cartilage. It is inhibited by noggin and a similar protein, chordin, which are expressed in the Spemann-Mangold Organizer. BMP7 may be involved in bone homeostasis. It is expressed in the brain, kidneys and bladder.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982487
NCBI GeneID	12162
NCBI Accession #	NP_031583.2
NCBI GenBank Nucleotide #	NM_007557.3
UniProt Accession #	P23359; Q91XF7
Molecular Weight	49,199 Da
NCBI Official Full Name	bone morphogenetic protein 7 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 7
NCBI Official Symbol	Bmp7
NCBI Official Synonym Symbols	OP1
NCBI Protein Information	bone morphogenetic protein 7
UniProt Protein Name	Bone morphogenetic protein 7
UniProt Gene Name	Bmp7
UniProt Synonym Gene Names	Bmp-7; Op1; BMP-7; OP-1
UniProt Entry Name	BMP7_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/bmp7/263104>