

BMP-7 elisa kit

Chinese Hamster BMP-7 PicoKine ELISA Kit

CATALOG # AAA124847	REACTIVITY Hamster There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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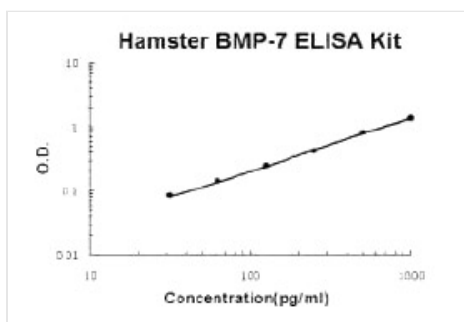
PRODUCT SYNONYMS

BMP-7; Chinese Hamster BMP-7 PicoKine ELISA Kit; Bone morphogenetic protein 7; Osteogenic protein 1; OP-1; Bmp7; Bmp-7; Op1; BMP-7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Hamster There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant 215 Chinese Hamster BMP-7
Sequence Length	430
Assay Type	Quantitative Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Applicable Applications for BMP-7 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP-7 elisa kit	Principle of the Assay: 215 Chinese Hamster BMP-7 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A specific for Chinese Hamster BMP-7 has been precoated onto 96-well plates. Standards(Expression system for standard: CHO; Immunogen sequence: S292-H430) and test samples are added to the wells, a biotinylated detection specific for Chinese Hamster BMP-7 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the 215 Chinese Hamster BMP-7 amount of sample captured in plate. 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.
Product Categories/Family for BMP-7 elisa kit	Signal Transduction; Growth Factors/Hormones; TGF; Signal Transduction; Cytoskeleton/ECM; Extracellular Matrix; Structures; Bone; Cell Biology; Cell Cycle; Cell Differentiation; Stem Cells; Signaling Pathways; TGF Beta; Secreted; Cancer; Developmental Bio

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	49199 MW
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

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/hamster-elisa-kits/bmp-7/124847>