

Mouse Bone Morphogenetic Protein 1 ELISA Kit | BMP-1 elisa kit

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CATALOG #
AAA102573

REACTIVITY
Mouse

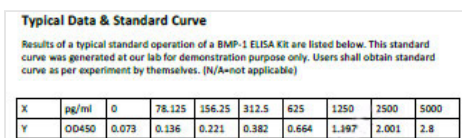
PRODUCT SYNONYMS

Bone Morphogenetic Protein 1; Mouse Bone Morphogenetic Protein 1 ELISA Kit; BMP-1 (Bone morphogenetic protein 1)/PCP/PCOLC/PCP2/TLD/Mammalian tolloid protein/mTld/procollagen C-endopeptidase/Procollagen C-proteinase; BMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of BMP-1 . No significant cross-reactivity or interference between BMP-1 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between BMP-1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	991
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BMP-1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BMP-1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP-1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BMP-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- BMP-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 BMP-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BMP-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42734447
NCBI GeneID	12153
NCBI Accession #	NP_033885.2
NCBI GenBank Nucleotide #	NM_009755.3
Molecular Weight	111,666 Da
NCBI Official Full Name	bone morphogenetic protein 1
NCBI Official Synonym Full Names	bone morphogenetic protein 1
NCBI Official Symbol	Bmp1
NCBI Official Synonym Symbols	Pcp; Tld
NCBI Protein Information	bone morphogenetic protein 1
UniProt Protein Name	Bone morphogenetic protein 1
UniProt Gene Name	Bmp1
UniProt Synonym Gene Names	BMP-1; mTld; PCP
UniProt Entry Name	BMP1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bmp-1-mouse-elisa-kits/bone-morphogenetic-protein-1/102573>