

Mouse BMP-2 ELISA Kit | BMP-2 elisa kit

BMP-2 Mouse ELISA Kit

CATALOG # AAA58862	REACTIVITY Mouse	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

PRODUCT SYNONYMS

BMP-2; BMP-2 Mouse ELISA Kit; Mouse BMP-2; BMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, body fluids, tissue lysates or cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 2 pg/ml
Applicable Applications for BMP-2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES

Typical Data & Standard Curve
Results of a typical standard run of a Mouse BMP-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	Pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.058	0.095	0.133	0.172	0.374	0.680	1.225	2.337

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BMP-2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BMP-2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-BMP-2 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex 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-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BMP-2 can be calculated.

Background/Introduction: Bone morphogenetic protein 2 (BMP-2) belongs to the TGF-beta superfamily of proteins. Like other family members, it plays an important role in the development of bone and cartilage. It has been demonstrated to potently induce osteoblast differentiation in a variety of cell types. BMP-2 has an ability to induce the formation of ectopic cartilage when implanted subcutaneously.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6649952
NCBI GeneID	650

UniProt Accession #	P12643
Molecular Weight	44,702 Da
NCBI Official Full Name	bone morphogenetic protein 2
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A
NCBI Protein Information	bone morphogenetic protein 2; BMP-2A; bone morphogenetic protein 2A
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	BMP2
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A
UniProt Entry Name	BMP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/bmp-2/58862>