

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

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CATALOG #
AAA258363

REACTIVITY
Human

PRODUCT SYNONYMS

BMP-2; Human BMP-2 ELISA Kit; BMP-2 ELISA Kit; Human; bone morphogenetic protein 2; BDA2 ELISA Kit; BDA2A ELISA Kit; BMP2A ELISA Kit; BMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The kit has been verified by high purity Human BMP-2 recombinant protein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Recombinant protein
Detection Range	46.88-3000pg/mL
Sensitivity	21.32pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

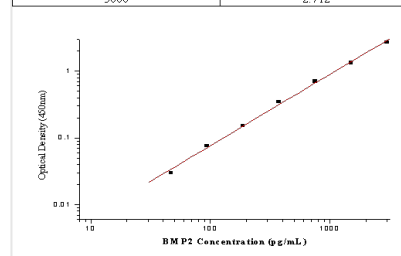
IMAGES

Recombinant human			
BMP4	BMP5	TGFβ1	TGFβ2
IL1	IL2	IL33	IL10
IL8	PDGF	TNF-α	IL4
IL6	IFN-γ	VEGF	MIP-1β
TIMP1	TIMP2	GM-CSF	SCF

Application Data

This assay recognizes recombinant Human BMP2. The factors listed below were prepared at 50 or 100ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
46.88	0.030
93.75	0.076
187.5	0.152
375	0.247
750	0.704
1500	1.342
3000	2.712



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for BMP-2 elisa kit	This Vitronectin ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Vitronectin protein in Serum. It contains recombinant Human Vitronectin, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: BMP-2 protein, like other bone morphogenetic proteins, plays an important role in the development of bone and cartilage. BMP-2 protein is involved in the hedgehog pathway, TGF beta signaling pathway, and cytokine-cytokine receptor interaction. BMP-2 and BMP-7 are osteogenic BMPs that have been demonstrated to potentially induce osteoblast differentiation in a variety of cell types. BMP-2, BMP-4 and BMP-7 are known to be of major importance in bone formation and repair. In cancerous tissues BMP-2 protein may play an important role in the progression of glioma.
References	Jiao X, et al. (2007) Heparan sulfate proteoglycans (HSPGs) modulate BMP-2 osteogenic bioactivity in C2C12 cells. J Biol Chem. 282(2):1080-6. Michon F, et al. (2008) BMP-2 and BMP-7 play antagonistic roles in feather induction. Development 135 (16):2797-805.

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/human-elisa-kits/bmp-2/258363>