

ARG83133 Bovine BMP4 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83133 Bovine BMP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Bovine BMP4 in Bone tissue and Cell culture supernatants.
Tested Reactivity	Bov
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	BMP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	5 pg/ml
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sample Type	Bone tissue and Cell culture supernatants
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 5.9%
Alternate Names	BMP2B; BMP-4; OFC11; Bone morphogenetic protein 2B; BMP2B1; Bone morphogenetic protein 4; MCOPS6; ZYME; BMP-2B

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

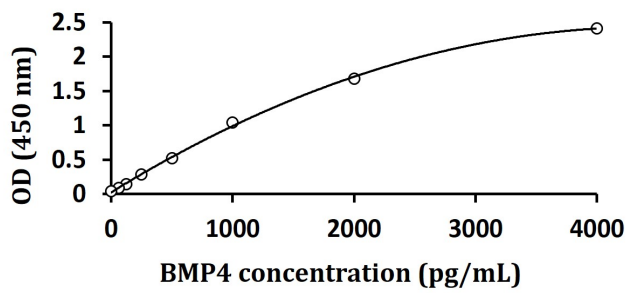
Gene Symbol	BMP4
Gene Full Name	bone morphogenetic protein 4
Background	The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including

the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of this gene has been described and three variants are described, all encoding an identical protein. [provided by RefSeq, Jul 2008]

Function Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH/PTHrP to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction (By similarity). [UniProt]

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Images



ARG83133 Bovine BMP4 ELISA Kit standard curve image

ARG83133 Bovine BMP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
