ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Mouse Monoclonal Antibody to BMP4

Cataloge Number	sAP-0340
Target Molecule	**Name: BMP4** **Aliases:** ZYME; BMP2B; OFC11; BMP2B1; MCOPS6; BMP4 **MW: 64kDa** **Entrez Gene ID: 652**
Descrption	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.BMPs (bone morphogenetic proteins) belong to the TGF beta superfamily of structurally related signaling proteins. Members of this superfamily are widely represented throughout the animal kingdom and have been implicated in a variety of developmental processes. Proteins of the TGF beta superfamily are disulfide-linked dimers composed of two 12-15 kDa polypeptide chains. As implied by their name, BMPs initiate, promote and regulate bone development, growth, remodeling and repair. Smad1 translocation to the nucleus is observed after the addition of BMP4 (also designated BMP2B), suggesting
Immunogen	Purified recombinant fragment of human BMP4 expressed in E. Coli.
Recitative Species	Human
Clone	MM10F4B4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Genomics. 1995 Jun 10;27(3):559-60. ; 2. DNA Seq. 1995;5(5):273-5. ; 3. J Bone Miner Res. 2009 Dec;24(12):2039-49. ; 4. Stem Cells Dev. 2009 Nov;18(9):1283-92.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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