

## Mouse Monoclonal Antibody to BMP4

Catalogue Number	sAP-1250
Target Molecule	<b>Name: BMP4</b> <b>Aliases:</b> ZYME; BMP2B; OFC11; BMP2B1; MCOPS6 <b>MW: 46.5kDa</b> <b>Entrez Gene ID: 652</b>
Description	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 extraskelatal 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.;
Immunogen	Purified recombinant fragment of human BMP4 (AA: 277-408) expressed in E. Coli.
Recitative Species	Human; Rat;
Clone	MM3C11C7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted 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; IHC: ; ICC: 1 to 100 - 1 to 500; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Cancer Invest. 2013 Oct;31(8):555-62. ; 2.Eur J Oral Sci. 2013 Aug;121(4):313-8.;

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**