
BMP2 Mouse mAb

Catalog Number: bsm-0514M

Target Protein: BMP2

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 7F9

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Pig, Cow, Dog)

Predicted MW: 13/44 kDa

Entrez Gene: 650

Swiss Prot: P12643

Purification: affinity purified by Protein A

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

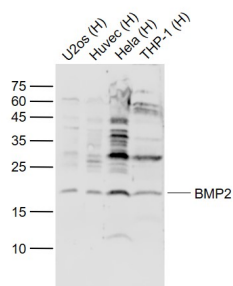
Size : 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily of secreted growth factors. It is a disulfide-linked homodimer and induces bone and cartilage formation. In addition to its osteogenic activity, BMP2 plays an important role in cardiac morphogenesis and is expressed in a variety of tissues including lung, spleen, brain, liver, prostate ovary and small intestine. The functional form of BMP2 is a 26 kDa protein composed of two identical 114 amino acid polypeptide chains linked by a single disulfide bond. BMPs control fundamental events in early embryonic development, organogenesis and adult tissue homeostasis.

VALIDATION IMAGES



Sample: Lane 1: U2os (Human) Cell Lysate at 30 ug Lane 2: Huvec (Human) Cell Lysate at 30 ug Lane 3: Hela (Human) Cell Lysate at 30 ug Lane 4: THP-1 (Human) Cell Lysate at 30 ug Primary: Anti-BMP2 (bsm-0514M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 14/18/30 kD Observed band size: 18 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.003] Kai Zhang. et al. Multifunctional Alendronate-PEI Carbon Dots for the Treatment Bone-Destructive Diseases via Bidirectional Regulation of Osteoblast-Osteoclast Function. Advanced Therapeutics. 2022 Sep;;2200149 IHC ; MOUSE . 10.1002/adtp.202200149