Anti-Human BMP-2 (#7B31)

20220329DS

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**101-M233**
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of Bone Morphogenetic Protein 2 precursor (pro-BMP-2).

Target Background

Synonyms (Target):	bone morphogenetic protein 2; BDA2; BMP2A; bone morphogenetic protein 4; ZYME; BMP2B; OFC11; BMP2B1; MCOPS6

Bone Morphogenetic Protein 2 (BMP2) and BMP4 are two of at least 15 structurally and functionally related BMPs, which are members of the transforming growth factor β (TGFβ) superfamily, BMPs were originally identified as protein regulators of cartilage and bone formation. However, they have since been shown to be involved in embryogenesis and morphogenesis of various tissues and organs.

Database References Target

Protein RefSeq:	NP_001191
Uniprot ID:	P12643
mRNA RefSeq:	NM_001200

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#7B31)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	Recombinant human pro-BMP-2
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Centrifuge the vial prior to opening. Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human BMP-2 protein.

AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

The antibody can be used within the following applications:

WB, N, E (capture)

Recommended usage:

Western Blot: 1:500 - 1:1000

Neutralization

ELISA: Capture AB (paired with 101-M233A)

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!