

Product Datasheet

BMP-2 Antibody (3G7)

H00000650-M04

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000650-M04**BMP-2 Antibody (3G7)**

| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 3G7 |
| Preservative | No Preservative |
| Isotype | IgG2a Kappa |
| Purity | IgG purified |
| Buffer | PBS (pH 7.4) |
| Product Description | |
| Description | Quality control test: Antibody Reactive Against Recombinant Protein. |
| Host | Mouse |
| Gene ID | 650 |
| Gene Symbol | BMP2 |
| Species | Human |
| Specificity/Sensitivity | BMP2 - bone morphogenetic protein 2 |
| Immunogen | BMP2 (NP_001191 283 a.a. - 396 a.a.) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPLA DHLNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVLKKNYQDM VVEGCGCR |
| Notes | This product is produced by and distributed for Abnova, a company based in Taiwan. |
| Product Application Details | |
| Applications | ELISA |
| Recommended Dilutions | ELISA |
| Application Notes | Antibody reactivity against recombinant protein on ELISA. |

Publications

Wu Q, Yang B, Cao C et al. Therapeutic antibody directed osteogenic differentiation of Induced pluripotent stem cells derived MSCs. *Acta Biomater* 2018-05-18 [PMID: 29778895]

Freire MO, You HK, Kook JK et al. Antibody-mediated osseous regeneration: a novel strategy for bioengineering bone by immobilized anti-bone morphogenetic protein-2 antibodies. *Tissue Eng Part A*. 2011-08-26 [PMID: 21870943]

Freire MO, Kook JK, Kim HK et al. The early events in the healing process of Antibody Mediated Osseous Regeneration (AMOR). *Tissue Eng Part A*. 2012-11-29 [PMID: 23190409]

Moshaverinia A, Ansari S, Chen C et al. Co-encapsulation of anti-BMP2 monoclonal antibody and mesenchymal stem cells in alginate microspheres for bone tissue engineering. *Biomaterials*. 2013-06-14 [PMID: 23773817]

Ansari S, Moshaverinia A, Pi SH et al. Functionalization of scaffolds with chimeric anti-BMP-2 monoclonal antibodies for osseous regeneration. *Biomaterials*. 2013-09-19 [PMID: 24055525]

Ansari S, Freire MO, Pang EK et al. Immobilization of Murine Anti-BMP-2 Monoclonal Antibody on Various Biomaterials for Bone Tissue Engineering. *Biomed Res Int*. 2014-07-23 [PMID: 25147826]

Ansari S, Phark JH, Duarte S Jr et al. Biomechanical analysis of engineered bone with anti-BMP2 antibody immobilized on different scaffolds. *J Biomed Mater Res B Appl Biomater*. 2015-08-07 [PMID: 26252572]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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