



## MOUSE ANTI-BONE MORPHOGENIC PROTEIN-4 MONOCLONAL ANTIBODY

|                       |                                                                                                                                                                                                                                 |                |                      |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|
| CATALOG NUMBER:       | MAB1049                                                                                                                                                                                                                         | QUANTITY:      | 100 µg               |
| LOT NUMBER:           |                                                                                                                                                                                                                                 | CONCENTRATION: | 1 mg/mL              |
| ALTERNATIVE NAMES:    | BMP-4                                                                                                                                                                                                                           | HOST/ISOTYPE:  | Ms IgG <sub>2b</sub> |
| CLONE NAME:           | 3H2                                                                                                                                                                                                                             |                |                      |
| SPECIFICITY:          | Specific for bone morphogenic protein-4 (BMP-4) by Western blot and ELISA. No cross-reactivity with human BMP-2 or human TGF-β1. The antibody reacts with both human and mouse BMP-4 in both reduced and nonreduced conditions. |                |                      |
| IMMUNOGEN:            | Recombinant mouse BMP-4 (Masuhara, 1995).                                                                                                                                                                                       |                |                      |
| APPLICATIONS:         | Immunocytochemistry using osteoinductive cells; i.e., BFP and Saos-2<br>Western blot using osteoinductive cells; i.e., BFP and Saos-2<br>Optimal working dilutions must be determined by the end user.                          |                |                      |
| SPECIES REACTIVITIES: | Human, rat and mouse.                                                                                                                                                                                                           |                |                      |
| FORMAT:               | Purified immunoglobulin                                                                                                                                                                                                         |                |                      |
| PRESENTATION:         | Liquid in 0.02M Phosphate buffer, 0.25 M NaCl with 0.1% sodium azide.                                                                                                                                                           |                |                      |
| STORAGE/HANDLING:     | Maintain at 2-8°C in undiluted aliquots for up to 6 months from date of receipt.                                                                                                                                                |                |                      |
| REFERENCE:            | Masuhara, K., et al., <i>Bone</i> (1995) <b>16</b> (1):91-96.                                                                                                                                                                   |                |                      |

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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