



ORDERING INFORMATION

Catalog Number: MAB1128

Clone: 169125

Lot Number: HSR01

Size: 500 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: zebrafish BMP-4

Immunogen: *E. coli*-derived zfBMP-4

Ig class: mouse IgG₁

Recommended Application:
Western blot

Other Application:
Direct ELISA

Monoclonal Anti-zebrafish BMP-4 Antibody

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, *E. coli*-derived, recombinant zebrafish bone morphogenetic protein 4 (zfBMP-4). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody was selected for its ability to detect zebrafish BMP-4 in direct ELISAs and western blots.

Applications

Western Blot - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect zebrafish BMP-4. The detection limit for zfBMP-4 is approximately 5 ng/lane and 50 ng/lane under non-reducing and reducing conditions, respectively.

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect zebrafish BMP-4. The detection limit for zfBMP-4 is approximately 7 ng/well.

Optimal dilutions should be determined by each laboratory for each application.