

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** Mouse, Anti-Chondroitin-4-Sulfate, Monoclonal Antibody  
**Catalog Number:** 63651  
**Lot:** S6148

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Frozen Liquid

**Formula Weight:** N/A  
**Storage:** -20°C

Test	Specification	Result
Identity Test	Passes	Passes
Source	Mouse	Mouse
Form	Liquid	Liquid
Clone	BE-123	BE-123
Isotype	Mouse IgG1	Mouse IgG1
Immunogen	Mouse Proteoglycan	Mouse Proteoglycan
Antigenic Specificity	Chondroitin-4-Sulfate	Chondroitin-4-Sulfate

Specificity: Reacts with both mouse (fetal and adult) and human (fetal and adult) chondroitinase ABC digested cartilage proteoglycans. Chondroitin-4 sulfate disaccharides successfully inhibit the binding of monoclonal antibody to proteoglycans. No reaction with native proteoglycans or with proteoglycans digested with either chondroitinase AC or testicular hyaluronidase.

Applications:

- Western blot: 1:1000 - 1:4000 with ECL detection
- Immunohistochemistry
- ELISA: 1:400 - 1:3200
- RIA: 1:50 - 1:6400

Optimal working dilutions must be determined by the end user.

Species Reactivity: Mouse, Human, Rat, Sheep (Ovine), Bovine, and Canine (Dog). Reactivity with other species has not been confirmed.

Avoid repeated freeze/thaw cycles.

During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200uL 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.

For research use only; not for use in diagnostic procedures. Not for human or animal consumption.

Recommended Retest Date (MM/DD/YYYY): 05/09/2026



05/11/2021 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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