

**MOUSE ANTI-KERATAN SULFATE  
MONOCLONAL ANTIBODY**

- CATALOG NUMBER:** MAB2022
- LOT NUMBER:**
- QUANTITY:** 100  $\mu$ L
- SPECIFICITY:** Recognizes 2-3 disaccharide units on both skeletal (type II) and corneal (type I) keratan sulfate chains either in isolated or proteoglycan-bound form. The epitope is resistant to proteolytic or alkaline cleavages and partially sensitive to keratanase or other endo-B-galactosidase treatment.
- IMMUNOGEN:** Human articular cartilage proteoglycan digested with chondroitinase ABC.
- ISOTYPE:** IgG<sub>2b</sub>
- APPLICATIONS:** Western blot at 1:1000 - 1:4000  
ELISA at 1:5,000-1:20,000  
RIA at 1:30,000-1:500,000  
May be used in a competitive inhibition assay to measure keratan sulfate levels.  
Optimal working dilutions must be determined by the end user.
- SPECIES REACTIVITIES:** Human, bovine, sheep, pig, dog, mouse (adult).  
No cross-reactivity with chicken limb bud proteoglycans, dermatan sulfate proteoglycans of cartilage and proteoglycans of rat chondrosarcomas.
- FORMAT:** Ascites
- PRESENTATION:** Liquid, no preservative.
- STORAGE/HANDLING:** Maintain at -20°C in convenient undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.
- REFERENCES:**
1. *Arthritis Rheum.* (1985). **28**:1367-1376.
  2. *Arthritis Rheum.* (1987). **30**:586-588.
  3. *Biochem. J.* (1986). **234**:31-41.
  4. *Biochem. J.* (1986). **236**:71-75.
  5. *Pediatric Res.* (1987). **22**:409-413.
  6. *Cancer Immunol. Immunother.* (1990). **32**:137-142.
  7. *J. Histochem. Cytochem.* (1991). **39**:1175-1187.
  8. *Arthritis Rheum.* (1995). **38**:660-668.
  9. Papageorgakopoulou, N., et al., *Biochimie* (2002) **84**:1225-1228.

*For research use only; not for use as a diagnostic.*

**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  $\mu$ L 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.*