

**CATALOG # 270429**  
**Package Size: 0.2 mg/vial**

**Monoclonal**  
**Anti-Keratan Sulfate [BCD-4]**

**CLONE:** BCD-4      **ISOTYPE:** Mouse IgG<sub>1</sub>, κ-chain

**IMMUNOGEN:** A proteoglycan core antigen prepared by chondroitinase ABC digestion of human adult cartilage proteoglycan monomer.<sup>1</sup>

Physical State: Liquid  
Purification: Affinity purified by Protein A  
Concentration: 1.0 mg/ml (Immunoglobulin fractions)  
Volume: 200 µl/vial  
Buffer: Phosphate-Buffered Saline (-) [PBS (-)]  
Stabilizer: None  
Preservative: 0.02% sodium azide

**SPECIFICITY:**

Recognition & Localization: The antibody reacts with keratan sulfate. The antibody has been shown by ELISA inhibition assay and immunodot assay to recognize native keratan sulfate both from shark cartilage (high-sulfated) and bovine cornea (low-sulfated).

Comment: No cross reactivity was found with chondroitin sulfate, dermatan sulfate, heparin, heparan sulfate or hyaluronic acid.

**APPLICATIONS:**

The exact dilution must be determined by the researcher.

ELISA: 1:1000-5000  
Immunohistochemistry: 1:100-500  
Immunodot: 1:100-500

**STORAGE:**

Store at 4°C until opened. Diluted material should be used within a week. *Avoid repeated freezing and thawing.*

**REFERENCES:**

- 1) Tibor T. Glant et al. (1986) *Biochem. J.*, **234**, 31-41.
- 2) Tibor T. Glant et al. (1986) *Biochem. J.*, **236**, 71-75.

**NOTE:**

For *in vitro* research use only. Not for diagnostic or therapeutic use. This product is not a medical device. This product is warranted for a period of one year after date of receipt when storage and usage conditions are adhered to as described on the package insert.



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