The extracellular matrix (ECM) is an essential element for higher organisms to form cells, tissues, and organs; to control cell-cell connections and functions. The ECM also greatly affects several biological phenomena (such as development, aging, inflammation, wound healing, and immunity). Glycosaminoglycans (GAG), such as chondroitin sulfate, hyaluronic acid and keratan sulfate, are major components of the ECM and play an important role. Analysis of glycosaminoglycans is very difficult, especially when performing in situ analysis of cells and tissues. Thus, antibodies are particularly important as a detection tool.

### Anti-Keratan Sulfate Monoclonal Antibody (R-10G)

- **Isotype:** Mouse IgG_1
- **Content:** 0.1mg / vial [A2968]

### Anti-Chondroitin Sulfate D Monoclonal Antibody (MO-225)

- **Isotype:** Mouse IgM
- **Content:** 0.1mg / vial [A2872]

### Anti-Chondroitin Sulfate A Monoclonal Antibody (LY111)

- **Isotype:** Mouse IgM
- **Content:** 0.1mg / vial [A3143]

### References

1. **Anti-Keratan Sulfate Monoclonal Antibody (R-10G) [A2968]**
   - A novel antibody for human-induced pluripotent stem cells and embryonic stem cells recognizes a type of keratan sulfate lacking oversulfated structures.

2. **A Cytotoxic Antibody Recognizing Lacto-N-fucopentaose I (LNFP I) on Human Induced Pluripotent Stem (hiPS) Cells.**

3. **Characterization of glycoproteins expressing the blood group H type 1 epitope on human induced pluripotent stem (hiPS) cells.**

4. **Binding specificity of R-10G and TRA-1-60/81, and substrate specificity of keratanase II studied with chemically synthesized oligosaccharides.**

### Anti-Chondroitin Sulfate D Monoclonal Antibody (MO-225) [A2872]

1. **A Monoclonal Antibody That Specifically Recognizes a Glucuronic Acid 2-Sulfate-containing Determinant in Intact Chondroitin Sulfate Chain.**

2. **Structural determination of novel sulfated octasaccharides isolated from chondroitin sulfate of shark cartilage and their application for characterizing monoclonal antibody epitopes.**

### Anti-Chondroitin Sulfate A Monoclonal Antibody (LY111) [A3143]

1. **Occurrence of collagen and proteoglycan forms of type IX collagen in chick embryo cartilage. Production and characterization of a collagen form-specific antibody.**

2. **Structural determination of novel sulfated octasaccharides isolated from chondroitin sulfate of shark cartilage and their application for characterizing monoclonal antibody epitopes.**

3. **Construction of a chondroitin sulfate library with defined structures and analysis of molecular interactions.**
Antibody

### Related products

**L2-L2-β-PEG₃-biotin [G0516]**

![Chemical structure](image1)

**L4-L4-β-PEG₃-biotin [G0517]**

![Chemical structure](image2)

**L4 [L0325]**

![Chemical structure](image3)

**L4-L4 [L0286]**

![Chemical structure](image4)

**L2 [L0324]**

![Chemical structure](image5)

**Keratan Sulfate disaccaride**

- **Hyaluronic Acid from Cockscomb**: 1g [H0595]
- **Hyaluronic Acid Sodium Salt from Cockscomb**: 100mg / 1g [H0603]
- **Hyaluronic Acid Potassium Salt from Cockscomb**: 1g [H0652]
- **Hyaluronate Tetrasaccharide**: 1mg / 5mg [H1284]
- **Hyaluronate Hexasaccharide**: 1mg / 5mg [H1285]
- **Dermatan Sulfate Sodium Salt**: 20mg / 100mg [D3672]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).