**Anti KS [Keratan Sulfate] (5D4)**

**BACKGROUND**
Monoclonal antibody 5D4 recognises oversulfated heptasaccharide epitopes containing 6-sulfated galactose adjacent with 6-sulfated N-acetyl-glucosamine in oligosaccharide segments of Keratan Sulfate glycosaminoglycan chains. Pre-digestion with Keratanase II removes these epitopes from Keratan Sulfate glycosaminoglycan chains. However, pre-digestion with Keratinase will not necessarily remove these Keratan Sulfate glycosaminoglycan chain epitopes.

**Product type**  
Primary antibody

**Immunogen**  
Oversulfated oligosaccharides in Keratan Sulfate glycosaminoglycan chains.

**Rased in**  
Mouse (BALB/c)

**Myeloma**  
X63-Ag8.653

**Clone number**  
5D4

**Isotype**  
IgG

**Source**  
Serum containing culture supernatent

**Purification**  
-

**Buffer**  
0.01M Tris-saline containing 0.02% NaN3 as a preservative

**Concentration**  
Not known

**Volume**  
1 mL

**Label**  
Unlabeled

**Specificity**  
Oversulfated heptasaccharide epitopes containing 6-sulfated galactose adjacent with 6-sulfated N-acetyl-glucosamine in oligosaccharide segments of Keratan Sulfate glycosaminoglycan chains. Pre-digestion with Keratanase II removes these epitopes from Keratan Sulfate glycosaminoglycan chains. However, pre-digestion with Keratinase will not necessarily remove these Keratan Sulfate glycosaminoglycan chain epitopes.

**Cross reactivity**  
All animal species

**Storage**  
Stable for 3-4 days @ 4°C.  
Store below -20°C (below -70°C for prolonged storage).  
Aliquot to avoid repeated cycles of freeze/thawing.

**Application notes**

- **Western blotting:** 1/100 (e.g. 50μl to 5 ml with blocking buffer)
- **Immunohistochemistry:** 1/20 (e.g. 20μl to 400μl with blocking buffer).

Other applications have not been tested.

Optimal dilutions/concentrations should be determined by the end user.

**References**


RELATED PRODUCTS:

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<th>Product Name</th>
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