



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Mouse Anti Chondroitin-6-Sulfate

With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-MB-01004

**Target Species**  
Broad

**Isotype**  
IgG1

### Description

**Immunogen:** Chondroitinase ABC-digested adult human aggrecan

### Specificity

DS-MB-01004 is specific for chondroitin-6-sulfate, recognizing the chondroitin-6-sulfate stubs of all high density cartilage proteoglycans across all species tested. This antibody recognizes chondroitinase ABC digested cartilage proteoglycans and does not react with native proteoglycans.

Chondroitinase ABC digestion of the target sample is required for antibody activity. Papain or pronase digestion of the target significantly reduces antibody activity.

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Ascites – liquid

**Preservative & Stabilizers:** None present

### Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoblotting			•	
ELISA	•			1:100 - 1:500
IHC			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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### Secondary Antibody Applications

<div>Options</div> <div>Functions</div>	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

### Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 18 months from date of shipment.

### References

1. Poole, C. A. *et al.* (1991) Chondrons from articular cartilage. (IV). Immunolocalization of proteoglycan epitopes in isolated canine tibial chondrons. J. Histochem. Cytochem. 39: 1175-1187.

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