



PRODUCT DATA SHEET

Product: Anti-human Chondroitin/Keratan Sulfate Proteoglycan mAb, clone 5C5

Cat. No.: MC-797 (100 μ L)

Specificity:

Reacts with chondroitin sulfate proteoglycan from cartilage (aggrecan).

Species Reactivity:

Reacts with human. No cross-reactivity with bovine nasal cartilage, rat chondrosarcoma, chick or shark cartilage aggrecan. Other species not tested.

Ig Isotype:

Mouse IgG1

Immunogen:

Human large molecular weight proteoglycan of articular cartilage (aggrecan)

Format:

100 μ L ascites containing 0.01% sodium azide. Antibody concentration >1 mg/mL. Purified by Ascites fluid.

Storage and Stability:

-20°C long term, 4°C short term. Stable for at least 24 months when stored properly.

Applications and Suggested Dilutions:

- ELISA: 1:500-1:1,000
- Immunoprecipitation: 1:50-1:300
- Immunohistochemistry: (paraffin embedded): 1:50-1:3,000. Treat tissue sections with 2 mg/mL testicular hyaluronidase in Na-acetate buffer, pH 5.5 for 1 hr at 37°C, followed by treatment with 0.2 mg/mL Protease XXIV in TBS, pH 7.2, for the same time and temperature.
- Western blotting: 1:100-1:300

The optimal dilution for a specific application should be determined by the researcher.

References:

1. Vertel (1995) Trends Cell Biology 5: 458-464.
2. Iozzo (1998) Annual Reviews in Biochemistry 67: 609-52.
3. Schwartz et al. (1999) Progress in Nucleic Acid Research and Molecular Biology 62: 177-225.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.