Chondroitin-4-Sulfate monoclonal antibody, clone BE-123

Catalog # MAB6611 Size 100 uL

Specification

Product Description	Mouse monoclonal antibody raised against Chondroitin-4-Sulfate.
Immunogen	Native purified from mouse proteoglycan.
Host	Mouse
Reactivity	Bovine, Dog, Human, Mouse, Rat, Sheep
Specificity	Reacts with both mouse (fetal and adult) and human (fetal and adult) chondroitinase ABC digested c artilage proteoglycans. There is no reaction with native proteoglycans or with proteoglycans digested with either chondroitinase AC or testicular hyaluronidase. Chondroitin-4 sulfate disaccharides succe ssfully inhibit the binding of monoclonal antibody to proteoglycans. Cross-reactivity with mouse, huma n, bovine, sheep, dog and rat.
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	Western Blot (1:1000-1:4000) ELISA (1:400-1:3200) Radioimmunoassay (1:50-1:6400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Radioimmunoassay
- Western Blot

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Publication Reference

- Critical roles of glycosaminoglycan side chains of cartilage proteoglycan (aggrecan) in antigen recognition and presentation.

  Glant TT, Buzas EI, Finnegan A, Negroiu G, Cs-Szabo G, Mikecz K.

  The Journal of Immunology 1998 Apr; 160(8):3812.

  Application: C-ELISA, Mouse, Serum

- Chondrons from articular cartilage. (IV). Immunolocalization of proteoglycan epitopes in isolated canine tibial chondrons.

  Poole CA, Glant TT, Schofield JR.

  The Journal of Histochemistry and Cytochemistry 1991 Sep; 39(9):1175.

  Application: IS, Dog, Chondrons

- Immunity to cartilage proteoglycans in BALB/c mice with progressive polyarthritis and ankylosing spondylitis induced by injection of human cartilage proteoglycan.

  Mikecz K, Glant TT, Poole AR.

  Arthritis and Rheumatism 1987 Mar; 30(3):306.

  Application: Injection, Recombinant protein

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