

INTRODUCTION

Monoclonal antibody to delta-unsaturated glucuronic acid adjacent to N-acetylgalactosamine-4-sulphate in the non-reducing terminal disaccharide "stub" of 4-sulphated chondroitin sulphate that is produced after chondroitinase digestion of chondroitin-4-sulphate glycosaminoglycan chains (chondroitinase ABC or ACII) or dermatan sulphate glycosaminoglycan chains (chondroitinase ABC or chondroitinase B).

IMMUNOGEN

Bovine nasal cartilage aggrecan that had been deglycosylated with chondroitinase ABC digestion; i.e. BNC (ABC) Core (see Couchman et al 1984 and Caterson et al 1985).

CLONE

2B6

ISOTYPE

IgG

HOST

Mouse

PURITY

Affinity purified

SPECIFICITY

Chondroitin 4-sulphate (C-4-S) after treatment with Chondroitinase ABC or ACII. Dermatan sulphate (DS) neopeptide after treatment with Chondroitinase ABC or B.

APPLICATIONS

- ELISA (see Couchman et al 1984)
- Western Blot (see Rees et al 2000)
 - Immunohistochemistry (see Couchman et al 1984 and Hayes et al 2007 & 2008)

TECHNICAL NOTES

Pretreatment with Chondroitinase required. 1×10^{-3} U per 10 μ g GAG at 37 °C for 1 hour.

STORAGE BUFFER

PBS, no preservatives

For research use only.



FORM

Clear Liquid

CONCENTRATION

See vial label for concentration

STORAGE

Store at -20°C. Avoid freeze/thaw cycles. Check label for expiry date.

REFERENCES

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3. Rees SG, Flannery CR, Little CB, Hughes CE, Caterson B & Dent CM (2000). Catabolism of aggrecan, decorin and biglycan in tendon. Biochem J. 350: 181-188.
4. Hayes AJ, Hall A, Brown L, Tubo R & Caterson B (2007). Macromolecular organization and *in vitro* growth characteristics of scaffold-free neocartilage grafts. J Histochem Cytochem. 55(8):853-66.
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7. Hedlund, H, Hedbom, E, Heinegard, D, Mengarelli-Widholm, S, Reinholt, FP, Svensson, O. (1999) Association of the aggrecan keratan sulfate-rich region with collagen in bovine articular cartilage J Biol Chem 274,5777-5781

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