

INTRODUCTION	This fragment is rapidly released from the tissue when MMP catabolism of aggrecan occurs and has been identified in synovial fluid samples from patients with degenerative joint diseases.
IMMUNOGEN	Synthetic peptide: FFGVGGE.
CLONE	BC-14
MYELOMA	x63-Ag8.653
ISOTYPE	IgG2a
LIGHT CHAIN TYPE	kappa
SPECIFICITY	Recognizes the N-terminal neoepitope sequence (FFGV....) generated at the "MMP cleavage site" after MMP catabolism in the interglobular domain of aggrecan between amino acids ..PEN341 and 342FFG.. (Human sequence enumeration).

This antibody cross-reacts with Human, Rat, Cow, Guinea pig, Horse, Pig.

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PURITY	Affinity purified on protein G
STORAGE BUFFER	PBS, no preservatives
FORM	Liquid, 1 mL/vial
CONCENTRATION	0.1 mg/mL
APPLICATION	<ul style="list-style-type: none"> • Western-Blotting Suggested dilution: 1:100 Detects a a band of approximately 60 - 150 kDa • ELISA • IHC This antibody should work in IHC on formalin- or paraformaldehyde-fixed paraffin embedded sections as well as either alcohol-fixed frozen sections or un-fixed snap-frozen sections.
TECHNICAL NOTES	<p>Samples are usually deglycosylated using 0.01 Units Chondroitinase ABC (Sigma), 0.01 Units Keratanase (Seikagaku) and 0.0001 Units Keratanase II (Seikagaku) per 10µg S-GAG of non-deglycosylated aggrecan for optimal epitope recognition in SDS-PAGE and immunohistochemistry. (1, 2).</p>
STORAGE	The antibody is stable until the expiry date given on the label if stored at -20 °C. Repeated freezing and thawing should be avoided. Aliquoting is recommended.
REFERENCES	<ol style="list-style-type: none"> 1. Little CB et al. Matrix metalloproteinases are involved in C-terminal and interglobular domain processing of cartilage aggrecan in late stage cartilage degradation. Matrix Biol 21:271-88 (2002). 2. Caterson B et al. Mechanisms involved in cartilage proteoglycan catabolism. Matrix Biol 19:333-44 (2000)

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