

DESCRIPTION Chromatography purified rabbit antibody to human type II collagen extracted, purified from human cartilage.

FORMAT Purified, freeze-dried antibody in 0.5 mL vials. Reconstitute with 0.5 mL diH₂O and store aliquots at -20 °C.

STABILITY Unreconstituted: 24 months at 2 - 8 °C or longer at -20 °C. Avoid freeze-thaw cycles by aliquoting. Reconstituted: 6 months at -20 °C.

APPLICATION IFA, IHC(p), ELISA, (SP) RIA, IB/WB

SPECIFICITY Human collagen, type II: 100 %
(% at a 1:200 RIA dilution) Human collagen, types I, IV : <1.0 %
Human collagen, types III, V, IX, XI : <0.1 %
Human fibronectin <0.1 %

REACTIVITY (WB, IHC) Human type II procollagen & type II collagen (staining of both matrix & chondrocytes markers is obtained). Significant cross-reactivity has been found by ELISA with bovine type II collagen.

USE For the immunostaining of extra or intracellular components in light microscopy and the quantitation of human type II collagen in biological fluids or culture supernatants.

WORKING DILUTIONS IFA* (with fluorescein anti-rabbit IgG conjugate); use diluted at $\geq 1:80$ on frozen human cartilage tissues.

IHC(p) use diluted at $\geq 1:1000$ on fixed, paraffin-embedded human cartilage tissues.

ELISA use diluted at $\geq 1:200$ (OD ≥ 500).

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