

## Rabbit Anti-Human Collagen Type II Antibody IgG fraction

**Catalog Number 203001-1**

*For research use only*

<b>DESCRIPTION</b>	Rabbit polyclonal antibodies against Collagen Type II, extracted and purified from human cartilage. The IgG fraction is obtained by ion exchange chromatography.	
<b>FORMAT</b>	Purified, freeze-dried antibody in 0.1 mL vial. Reconstitute with 0.1 mL distilled water and store aliquots at -20°C.	
<b>STABILITY</b>	Unreconstituted: 24 months at 2 - 8 °C or longer at -20 °C. Avoid freeze-thaw cycles by aliquoting. Reconstituted: 6 months at -20 °C.	
<b>APPLICATION</b>	IF, ICH, ELISA, SP(RIA).	
<b>SPECIFICITY</b>	Human Collagen Type II	100 %
	Human Collagen Type I, IV	< 1.0%
	Human Collagen Type III, V, IX, XI	< 0.1 %
	Human fibronectin	< 0.1%
<b>REACTIVITY (WB, IHC)</b>	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.	
<b>USE</b>	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.	
<b>WORKING DILUTIONS</b>	IF (with fluorescein anti-rabbit IgG conjugate): Use diluted at $\geq 1:40$ on frozen human cartilage tissues.	
	IHC(p): Use diluted at $\geq 1:500$ on fixed, paraffin-embedded human cartilage tissues.	
	ELISA: Use diluted at $\geq 1:2000$ (OD $\geq 0.5$ ).	
	Optimal dilutions should be determined by the researcher.	

### International

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