

DESCRIPTION Affinity chromatography purified rabbit antibody to rat type I collagen extracted, purified from rat skin.

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 (tested).

SPECIFICITY

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|---|--------|
| Rat collagen, type I : | 100 % |
| (% at a 1:200 RIA dilution) Rat collagen, type II, III, V : | <0.1 % |
| Human, mouse, chicken collagens, type I : | <0.1 % |
| Rat elastin : | <0.1 % |

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

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

IHC(p)* ;use diluted at $\geq 1:500$ on fixed, paraffin-embedded rat tissues (skin, liver...).

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

