

Rat Anti-Mouse Type I Collagen Monoclonal Antibody, Biotinylated

Catalog # 7046

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Rat monoclonal anti-mouse type I collagen antibody clone 7G5D2 (IgG2a), biotinylated										
APPLICATION:	Use for immunohistochemistry and ELISA, but not recommended for immunoblotting										
QUANTITY:	100 µl, 1 mg/ml										
FORM:	Dissolved in PBS, pH 7.2										
SOURCE:	Rat										
CROSS-REACTIVITY:	<p>Specific to native type I collagen and poorly reacts with denatured type I collagen (less than 5%). Does not cross-react with any species of type II collagen. The following is a list of relative cross-reactivity with various species of type I collagen.</p> <table><tr><td>Rat type I collagen:</td><td>30%</td></tr><tr><td>Mouse type I collagen:</td><td>20%</td></tr><tr><td>Bovine type I collagen:</td><td>50%</td></tr><tr><td>Porcine type I collagen:</td><td>100%</td></tr><tr><td>Human type I collagen</td><td>0%</td></tr></table>	Rat type I collagen:	30%	Mouse type I collagen:	20%	Bovine type I collagen:	50%	Porcine type I collagen:	100%	Human type I collagen	0%
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Porcine type I collagen:	100%										
Human type I collagen	0%										
USAGE:	Dilute the antibody in buffer containing 2% heterologous serum, such as NGS, to prevent non-specific reactions in ELISA and tissue staining. Use at 0.1-1 µg/ml.										
STORAGE TEMPERATURE:	-20°C										
STABILITY:	1 year										