

## Mouse Anti Type II Collagen (CB11) IgG2b Monoclonal Antibody, Biotinylated

Catalog # 7053

*For Research Use Only - Not Human or Therapeutic Use*

DESCRIPTION:	Mouse monoclonal anti-type II collagen (CB11) IgG2b antibody, clone D1-2G, biotinylated
APPLICATION:	Use for immunohistochemistry, immunoblotting, and ELISA
QUANTITY:	100 µl, 1 mg/ml
FORM:	Solution in PBS
SOURCE:	Mouse
PURITY:	Purified by affinity chromatography
CROSS-REACTIVITY:	Cross-reacts to most species of type II collagen including mouse, porcine, chick, bovine, human, rat, monkey, rabbit, equine, and dog. Cross-reactivity with denatured type II collagen is minimal (less than 10 %)
EPITOPE:	LyC1 of CB11 on type II collagen
SUBTYPE:	IgG2b
USAGE:	Dilute the antibody in buffer containing 2% heterologous serum, such as NGS, to prevent non-specific reactions in ELISA, tissue staining or immunoblotting. Use 0.1-1 µg/ml. Due to low reactivity to denatured collagen, ten times higher concentration will be required to detect denatured collagen in immunoblotting.
STORAGE TEMPERATURE:	-20°C
STABILITY:	1 Year
REFERENCES:	<ol style="list-style-type: none"><li>1. K. Terato <i>et al.</i>, Induction of arthritis with monoclonal antibodies to collagen. J Immunol 148, 2103-2108 (1992).</li><li>2. P. Hutamekalin <i>et al.</i>, Collagen antibody-induced arthritis in mice: development of a new arthritogenic 5-clone cocktail of monoclonal anti-type II collagen antibodies. J Immunol Methods 343, 49-55 (2009).</li></ol>