

## Mouse Anti-Chick Type II Collagen (CB11) IgG2b Monoclonal Antibody, Clone D1-2G

Catalog # 7052

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

DESCRIPTION:	Mouse Anti-Chick Type II Collagen (CB11) IgG2b Monoclonal Antibody, Clone D1-2G, unconjugated
APPLICATION:	Use for immunohistochemistry, immunoblotting, and ELISA
QUANTITY:	0.1 ml, 1 mg/ml
FORM:	Solution in 0.05M Phosphate Buffered Saline, pH 7.4
SOURCE:	Mouse
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
IMMUNOGEN:	Chick Type II Collagen
PURITY:	Purified by Protein G chromatography
SUBTYPE:	Mouse IgG2b
USAGE:	Dilute the antibody in buffer containing 2% heterologous serum, such as NGS, to prevent non-specific reactions in ELISA and tissue staining. Working concentration: 0.1 - 1 µg/ml. If detecting denatured collagen, a 10X higher concentration of cocktail will be required for immunoblotting due to low reactivity to denatured collagen.
STORAGE:	-20°C
STABILITY:	1 year
NOTES:	N/A
REFERENCES:	K. Terato, K. Hasty, R. Reife, M. Cremer, A. Kang, J. Stuart, <i>et al.</i> , Induction of arthritis with monoclonal antibodies to collagen. <i>J Immunol</i> <b>148</b> , 2103-8 (1992).  P. Hutamekalin, T. Saito, K. Yamaki, N. Mizutani, D. Brand, <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. <i>J Immunol Methods</i> <b>343</b> , 49-55 (2009).