

# Mouse Anti-Chick Type II Collagen IgG2a Monoclonal Antibody, Clone D8-6

Catalog # 7080

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

DESCRIPTION:	Mouse Anti-Type Chick II Collagen IgG2a Monoclonal Antibody, Clone D8-6, 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 (by more than 95%) to most species of type II collagen including mouse, porcine, chick, bovine, human, rat, and monkey.  Epitope: amino acid sequence 364 - 375 of chick type II collagen which is on cyanogen bromide-cleaved peptide 11 (CB11) of chick type II collagen (a 279-residue peptide representing residues 124- 402 of type II collagen).
IMMUNOGEN:	Native chick type II collagen
PURITY:	Purified by Protein G chromatography
SUBTYPE:	Mouse IgG2a
USAGE:	Dilute the antibody in buffer containing 2% heterologous serum, such as normal goat serum, 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:	Terato K. <i>et al. J. Immunol.</i> <b>148</b> : 2103-2108 (1992)  Hutamekalin. <i>et al. J. Immunol. Method.</i> <b>343</b> : 49-55 (2009)