

Mouse Anti-Chick Type II Collagen IgG2a Monoclonal Antibody, Biotinylated

Catalog # 7081

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Mouse anti-chick type II collagen IgG2a monoclonal antibody, clone D8-6, biotinylated
APPLICATION:	Use for immunohistochemistry, immunoblotting, and ELISA
QUANTITY:	100 µl, 1 mg/ml
FORM:	Dissolved in PBS, pH 7.2.
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.
IMMUNOGEN:	Native chick type II collagen
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).
PURITY:	Protein G purified
SUBTYPE:	Mouse IgG2a
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:	Terato K. <i>et al.</i> J. Immunol. 148: 2103-2108 (1992) Hutamekalin. <i>et al.</i> J. Immunol. Method. 343: 49-55 (2009)