Mouse Anti-Chick Type II Collagen (CB8) IgG2a Monoclonal Antibody, Clone 5A4B11

Catalog # 7065

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Mouse Anti-Type Chick II Collagen (CB8) IgG2a Monoclonal Antibody, Clone 5A4B11, unconjugated.
APPLICATION:	Use for tissue staining, 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 chick, bovine, and mouse type II collagen. Epitope: cyanogen bromide-cleaved peptide 8 (CB8) of chick type II collagen (a 149-residue peptide representing residues 402 - 551 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 or normal rabbit serum, to prevent non-specific reactions in ELISA and tissue staining. It is important to use the same species of serum as that of the secondary antibody. Heterologous serum will be the most effective blocking agent to prevent non-specific reactions. 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:	-20ºC
STABILITY:	1 year
NOTES:	N/A
REFERENCES:	E. Miller, Isolation and characterization of the cyanogen bromide peptides from the I(II) chain of chick cartilage collagen. *Biochemistry* **10**, 3030-5 (1971). Hutamekalin. *et al. J. Immunol. Method*. **343**: 49-55 (2009)

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