

Mouse Anti-Chick Type II Collagen (CB8) IgG2a Monoclonal Antibody

Catalog # 7065

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Mouse anti-chick type II collagen (CB8) IgG2a monoclonal antibody, clone 5A4B11, unconjugated
APPLICATION:	Tissue staining, immunoblotting, and ELISA
QUANTITY:	100 µl, 1 mg/ml
FORM:	Dissolved in PBS, pH 7.2.
SOURCE:	Mouse
REACTIVITY:	Cross-reacts to chick, bovine, and mouse type II collagen.
IMMUNOGEN:	Native chick type II collagen
EPITOPE:	Cyanogen bromide-cleaved peptide 8 (CB 8) of chick type II collagen (a 149-residue peptide representing residues 402 - 551 of type II collagen).
PURITY:	Protein G purified
SUBTYPE:	Mouse IgG2a
USAGE:	Dilute this monoclonal antibody at 0.1-10 µg/ml in a buffer containing 2% heterologous serum, such as normal goat (NGS) or rabbit serum (NRS) depending on the source of secondary antibody. 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. Because reactivity with denatured collagen is low, higher antibody concentration would be required to detect denatured collagen in immunoblotting.
STORAGE TEMPERATURE:	-20°C
STABILITY:	1 year
REFERENCES:	Miller E.J. Isolation and characterization of the cyanogen bromide peptides from the I(II) chain of chick cartilage collagen. <i>Biochemistry</i> . Aug 3;10(16):3030-5, (1971). Hutamekalin. <i>et al.</i> <i>J. Immunol. Method.</i> 343: 49-55 (2009)