

## Monoclonal Antibody to Collagen Type II

<b>Catalog No.:</b>	DM3058
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	5B2.5
<b>Immunogen:</b>	A purified preparation of lathyritic type II collagen from Embryonic Chicken Sternum
<b>Format:</b>	<b>State:</b> Liquid <b>Purification:</b> Protein A chromatography <b>Buffer System:</b> 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide
<b>Applications:</b>	Immunofluorescence (1). Western blot (1-2 µg/ml for 2h at RT). Not suitable for Immunohistochemistry. Recommended Positive Control: Cartilage. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is highly specific to type II collagen and shows no cross-reaction with types I, III, IV, V, VI, IX, X, or XI. In Western blotting, 5B2.5 MAb reacts with the TCA fragment of lathyritic type II collagen after digestion with mammalian collagenase. Cellular Localization: Cartilage Matrix. Epitope: GGFDEK. <b>Species:</b> Human, Chicken, and Mouse. Other species not tested.
<b>Storage:</b>	Refrigerate at 4°C. Do not freeze.
<b>General Readings:</b>	1. Mayne R; et al. Connective Tissue Research, 1994, 31(1):11-21. 2. Chen Q; et al. Developmental Dynamics, 1993 Jan