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ImmunO™

Anti-Human Collagen Type II, Mouse
(Clone II-4CII), Purified IgG
Catalog #: 63171
Lot #: M7871

Form: Liquid. This monoclonal antibody is supplied as the purified IgG in 0.1 M Na-Phosphate buffer, pH 7.0 containing 1.0% protease-free bovine serum albumin.

Description: The anti-human Type II collagen antibody was raised in mice after immunization with collagen Type II from human costal cartilage.

Concentration: 0.5 mg/ml

Clone: II-4C11

Isotype: Mouse IgG₁/k.

Performance: 1. This antibody specifically reacts with the hCL(II) from human costal cartilage and cross reacts with rabbit, bovine and rat CL(II).

2. SDS-PAGE results showed two bands at approximately 55kDa (heavy chain) and 25 kDa (light chain) position when using 1.5 µg/lane in a 12.5% gel (+SH) and coomassie brilliant blue (CBB) stain.

3. Western blotting results, using bovine type II collagen at 2 µg/lane, 2 µg/ml of anti-hCL(II) and HRP conjugated goat anti-mouse immunoglobulins, showed a main band at about 130kDa.

Applications: Anti-hCL(II) is suitable for immunohistology (frozen and paraffin sections) and western blotting techniques.

Western Blot: 2 µg/ml

Paraffin Sections: 1-10 µg/ml with hyaluronidase treatment

Frozen Sections: 1-10 µg/ml

Storage: Aliquot into working portions and store undiluted at -20°C. Avoid freeze/thaw cycles which can be detrimental to most proteins.

References: 1. Burgeson, R.E. and Hollister, D.W., Biochem. Biophys. Res. Commun. 87, 1124-1131, 1979.

2. Kumagai, J. et al., J. Anat. 185, 279-284, 1994.

Manufactured for MP Biomedicals by Daiichi Fine Chemical Company, Ltd.

Christina Marotta

Approved by: *Christina Marotta*
Quality Control Director

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