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## TECHNICAL INFORMATION

# ImmunO™

Catalog Number: 631711, 631712, 631713

### Anti-Human Collagen Type II, Mouse (Clone II-4CII), Purified IgG

**Form:** Liquid. This monoclonal antibody is supplied as the purified IgG in 0.1 M Na-Phosphate buffer, pH 7.0 containing 5 mg of 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.

**Clone:** II-4C11

**Isotype:** Mouse IgG<sub>1/k</sub>.

#### Performance:

- This antibody specifically reacts with the hCL(II) from human costal cartilage and cross reacts with rabbit, bovine and rat CL(II).
- SDS-PAGE results showed two bands at 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.
- 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 EIA, 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

#### References:

- Burgeson, R.E. and Hollister, D.W., Biochem. Biophys. Res. Commun. 87, 1124-1131, 1979.
- Kumagai, J. et al., J. Anat. 185, 279-284, 1994.

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

**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)