

**Certificate of Analysis**

**Product:** Bovine Collagen Type II (nasal cartilage)

**Code:** 001-001-104

**Lot #** 18177

**Size:** 500 µg

**Physical State:** Liquid (sterile filtered)

**Protein Concentration:** 1.0 mg/ml (by dry weight)

**Buffer:** 0.5 M Acetic Acid, pH 4.5

**Stabilizer:** None

**Preservative:** 0.01% (w/v) Sodium Azide

**Application(s):** For use as a control or standard in indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting.

**Recommended Dilution(s):** Not determined. Optimal titers for applications should be determined by the researcher.

**Storage Conditions:** Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is six (6) months from date of opening product.

**Purity and Specificity:** This product has been prepared from bovine nasal cartilage and is chromatographically and immunologically pure. This product is free from other collagens, serum proteins and non-collagen extracellular matrix proteins. This product reacts with anti-Collagen Type II. Reaction with Rockland's anti-Collagen I, III, IV, V or VI is negligible (typically less than 1% cross reactivity was detected by ELISA).

**Immunogen:** Not applicable.

**USDA Certification:** All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

**Note:** This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.