

Native Chicken Type II Collagen

Cat. No. Type II Collagen-01C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native highly purified chicken type II collagen was isolated from chicken sternum.
Species	Chicken
Source	Sternum
Description	Type II collagen is a fibrillar collagen, and the main component of cartilage.
Molecular Mass	300 kDa
Purity	> 99% as determined by SDS-PAGE and visualized by Coomassie blue staining.
Applications	Used for the induction of collagen-induced arthritis (CIA) in experimental animals.
Usage	• To ensure collagen retains its native structure, always use pre-chilled pipette tips, glassware, and diluent. • Keep collagen on ice during use. • When preparing emulsion for CIA, ensure that emulsion is thick to give best rate of incidence. • Use high quality CFA (Complete Freund's Adjuvant) at a concentration up to 4 mg/mL.
Concentration	2 mg/mL in dilute acetic acid.
Storage Buffer	Collagen dissolved in acetic acid is stable at 4 centigrade for 1 month. May be stored

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in dark at -20 centigrade for long term storage but will gradually degrade under neutral conditions.

GENE INFORMATION

Synonyms	Type II Collagen
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