

Bovine Type II Collagen, Soluble

Catalog Number 804001-Sol

For research use only

DESCRIPTION	Highly purified bovine type II collagen
APPLICATION	Used for the induction of collagen-induced arthritis (CIA) in experimental animals.
FORM	2 mg/mL in dilute acetic acid
SOURCE	Fetal bovine articular cartilage
MOLECULAR WEIGHT	300 kDa
PURITY	> 99%, as determined by SDS-PAGE and visualized by Coomassie blue staining.
PURIFICATION	Differential salt precipitation
STORAGE	Collagen dissolved in acetic acid is stable at 4 °C for 1 month. May be stored in dark at -20 °C for long term storage but will gradually degrade under neutral conditions.
TECHNICAL HINTS	<ul style="list-style-type: none">• 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 4mg/mL.

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