

## T-Cell Proliferation Grade Bovine Type II Collagen

Catalog # 2022

*For Research Use Only - Not Human or Therapeutic Use*

DESCRIPTION:	Highly purified by CM-cellulose chromatography, heat denatured type II collagen
APPLICATION:	Use as a stimulation antigen for T-cells from experimental animals and humans in vitro culture system, for example, T-cell proliferation assay and establishing type II collagen specific T-cell lines.
QUANTITY:	0.5 mg
FORM:	Lyophilized powder
SOURCE:	Bovine articular cartilage
MOLECULAR WEIGHT:	300 Kd
PURITY:	>99% by SDS-PAGE, free of pepsin and proteoglycans
SOLUBILITY:	Soluble in acidic and neutral buffers, and in cell culture medium. In order to use this product for assaying T-cell proliferation responses, it is recommended to dissolve this product in PBS rather than cell culture media at 1 mg/mL before use.
STORAGE TEMPERATURE:	4°C in the dark. This product is stable at 4°C for 2 years as supplied. Denatured collagen dissolved in acidic solution is also stable at -20°C for 1 year, but will gradually degrade under neutral conditions.
STABILITY:	2 years
REFERENCES:	Trelstad R. et al. Biochemistry 9: 4993-4998 (1970) Miller EJ. Biochemistry 10: 1652-1659 (1971) Terato K. et al. Brit. J. Rheum. 35: 828-838 (1996)

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