

## Bovine Type II Collagen CB12 Fragment

Catalog # 9022

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

DESCRIPTION:	Cyanogen bromide cleaved peptide 12 (CB12) of bovine type II collagen
APPLICATION:	Use as an antigen to stimulate T-cells for T-cell proliferation assay and as an ELISA antigen for assaying antibodies to type II collagen.  Note: For assaying antibodies that react to native type II collagen using this peptide fragment, renature this peptide by step-wise cooling according to the method described by Igarashi et al (1) and Terato et al (2).
QUANTITY:	0.5 mg
FORM:	Lyophilized powder
SOURCE:	Bovine type II collagen
MOLECULAR WEIGHT:	Approximately 8 Kd (84 amino acid residues) (3)
PURITY:	>95% by 10% SDS gel analysis
SOLUBILITY:	Soluble in 0.05M acetic acid, neutral buffers containing 0.15M NaCl and cell culture medium.
STORAGE TEMPERATURE:	4°C in the dark for lyophilized form and -20°C for solution. This product is stable for 2 years as supplied. Peptide fragment will gradually degrade under neutral conditions.
STABILITY:	2 years
REFERENCES:	1. Igarashi S, Kang AH, Gross J. Biochem. Biophys. Res. Comm. 38: 697-701 (1970) 2. Terato K, Cremer MA, Hasty KA et al. Collagen Relat. Res. 5: 469-480 (1985) 3. Miller ED and Lunde LG. Biochemistry 12: 3153-3159 (1973)