

## 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 assays 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 stepwise cooling according to the method described by Igarashi <i>et al</i> (1) and Terato <i>et al</i> (2).
QUANTITY:	0.5 mg
FORM:	Lyophilized powder
SOURCE:	Bovine Type II Collagen
MOLECULAR WEIGHT:	Approximately 8 kDa (84 amino acid residues) (3)
PURITY:	>95% by 10% SDS-PAGE
STORAGE:	4°C in the dark for lyophilized form and -20°C for solution form. This product is stable for 2 years as supplied. Peptide fragments will gradually degrade under neutral conditions.
STABILITY:	2 years
NOTES:	Soluble in 0.05M acetic acid, neutral buffers containing 0.15M NaCl, and cell culture medium
REFERENCES:	

1. S. Igarashi, A. Kang, J. Gross, *Biochem. Biophys. Res. Comm.* **38**: 697-701 (1970)
2. K. Terato, M. Cremer, K. Hasty, *et al. Collagen Relat. Res.* **5**: 469-480 (1985)
3. E. Miller and L. Lunde, *Biochemistry* **12**: 3153-3159 (1973)