Bovine Type II Collagen CB8 Fragment

Catalog # 9020

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Cyanogen bromide cleaved peptide 8 (CB8) 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 *et al* (1) and Terato *et al* (2).
QUANTITY:	0.5 mg
FORM:	Lyophilized powder
SOURCE:	Bovine Type II Collagen
MOLECULAR WEIGHT:	Approximately 14 kDa (149 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. Biophyis. 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)

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