

Human Type II Collagen CB9.7 Fragment

Catalog # 9048

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Cyanogen bromide cleaved peptide 9.7 (CB9.7) of human 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 <i>et al</i> (1) and Terato <i>et al</i> (2).
QUANTITY:	0.5 mg
FORM:	Human type II collagen
MOLECULAR WEIGHT:	Approximately 11 kDa (a peptide representing residues 897 - 1020 of type II collagen) (3)
PURITY:	>95% by 10% SDS gel analysis
SOLUBILITY:	Soluble in 0.05M acetic acid, neutral buffers containing 0.15M NaCl, and cell culture media.
STORAGE TEMPERATURE:	4°C in the dark for lyophilized form and -20°C for solution form. 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, <i>et al</i> . Collagen Relat. Res. 5: 469-480 (1985) 3. Miller ED and Lunde LG. Biochemistry 12: 3153-3159 (1973)