

Human Type II Collagen CB 12 Fragment

Catalog # 9049

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Cyanogen bromide cleaved peptide 12 (CB 12) of human type II collagen
APPLICATION:	Use as an antigen to stimulate T-cells for T-cell proliferation assays and as an antigen for assaying anti- type II collagen antibodies in ELISA NOTE: For assaying anti-native type II collagen antibodies using this CB 12 fragment, renature this fragment by step-wise cooling methods (1, 2)
QUANTITY:	0.5 mg
FORM:	Lyophilized powder
SOURCE:	Human type II collagen
MOLECULAR WEIGHT:	Approximately 8 Kd (84 amino acid residues) (3)
PURITY:	> 95% by 10% SDS gel analysis
SOLUBILITY:	Soluble in 0.05 M acetic acid, neutral buffers containing 0.15 M NaCl and cell culture medium
STORAGE TEMPERATURE:	4°C in the dark for lyophilized form and -20°C for solution. CB 12 fragment will gradually degrade in neutral buffers.
STABILITY:	2 years in lyophilized form
REFERENCES:	1. Igarashi S, Kang AH and 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)