

## Chick Type II Collagen CB 12 Fragment

Catalog # 9019

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

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| DESCRIPTION:         | Cyanogen bromide cleaved peptide 12 (CB 12) of chick type II collagen  |
| APPLICATION:         | Use as an antigen to stimulate T-cells for T-cell proliferation assay and as an antigen for assaying anti type II collagen antibodies in ELISA<br><br>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:              | Chick 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)<br>2. Terato K, Cremer MA, Hasty KA et al. Collagen Relat. Res. 5: 469-480 (1985)<br>3. Miller ED and Lunde LG. Biochemistry 12: 3153-3159 (1973)  |