

Immunization Grade Human Type XI Collagen, Lyophilized

Catalog # 1085

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	Highly purified human type XI collagen
APPLICATION:	Use for immunization to generate antibodies and for studying the contribution of autoimmunity to type XI collagen in collagen-induced arthritis (CIA) and rheumatoid arthritis.
QUANTITY:	1 mg
FORM:	Lyophilized powder
SOURCE:	Human sternal cartilage
MOLECULAR WEIGHT:	> 300 Kd Consists of three alpha chains: $\alpha_1(XI)$, $\alpha_2(XI)$, and $\alpha_3(XI)$ (2) $\alpha_1(XI)$ - 1052 amino acid residues $\alpha_2(XI)$ - 1478 amino acid residues $\alpha_3(XI)$ - 1060 amino acid residues Note: $\alpha_3(XI)$ is identical to $\alpha_1(II)$
PURITY:	>95% by 6% SDS gel analysis. No detectable type II or type IX collagen.
SOLUBILITY:	Soluble in 0.05M acetic acid and in neutral buffers containing 0.15M NaCl.
STORAGE TEMPERATURE:	4°C in the dark for lyophilized form and -20°C for solution. This product is stable for 2 years as supplied. Keep in acidic solution for long-term storage.
STABILITY:	2 years
REFERENCES:	1. Cremer MA, Griffiths MM, Terato K, & Kang AH. Autoimmunity 20:153-161 (1995) 2. Burgeson RE & Hollister DM. BBRC 87:1124-31 (1979)

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