

PS-0108 v01

Anti-Type III Collagen (human, dog, rat, kangaroo)

CAT. NO.	Mouse monoclonal antibody CSI 007-01	Subclass: IgG ₁ /k	
		Clone:	1E7-D7/Col3
SPECIFICITY	CSI 007-01 is highly specific for type III collagen. It has been shown to have n and V collagens by ELISA and immunoblotting. There is no evidence for connective tissue proteins (laminin, fibronectin, elastin).		
IMMUNOGEN	Acid-digested pepsin soluble human type III collagen		
TESTED APPLICATIONS	ELISA, WB, IHC-F		
SPECIES REACTIVITY (POSITIVE)	Human, dog, rat, kangaroo		
SPECIES REACTIVITY (NEGATIVE)	Calf, sheep		
EPITOPE SPECIFICITY	Epitope is located approximately 100nm from the N-terminal of the molecule		
PRESENTATION Content: Preparation: Form: Solvent: Storage: APPLICATION	 Available in 400 μL and 1 mL size.1 mg/mL +/- 15%. See Certificate of Analysis Protein-A purified Liquid 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium az 4-8°C without exposure to light. No precautions necessary during handling. ELISA: CSI 007-01 can be used for detection of collagens by ELISA. WB: In immunoblotting CSI 007-01 detects type III collagen only in its native tri IHC: CSI 007-01 has been used successfully for immunohistology on frozen ur and kangaroo (2) skin, and of new dog tissue associated with biomaterial implais required, acetone or ethanol is recommended (1, 2, 3, 4). 	ide iple helix forn nfixed sectior	ns of human (1)
TARGET	Please consult www.proteinatlas.org Type III collagen is present in the walls of arteries, intestines and the uteru connective tissue. Patients with defects in the type III collagen (ex. Ehlers-Dar rupture of major arteries or the intestine.	•	0
REFERENCES	 Werkmeister JA, Ramshaw JAM (1989) Monoclonal antibodies to collage examination of human skin. Acta Derm Venereol 69:399-402. Stephens LJ, Werkmeister JA, Tebb TA, Ramshaw JAM (1991) Identification kangaroo skin. Das Leder 42:41-44. Werkmeister JA, Peters DE, Ramshaw JAM (1989) Development of monocl for assessing host-implant interactions. J Biomed Mater Res 23(A3):273-283. Werkmeister JA, Glattauer V, Tebb TA, Ramshaw JAM, Edwards GA, F stability of long-term implants of a collagen-based vascular prosthesis. J L 1:107-119 	ion of type II lonal antibodi 3. Roberts G (1	I collagen from ies to collagens 991) Structural

CONDITIONS

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