

Datasheet: 2150-0150

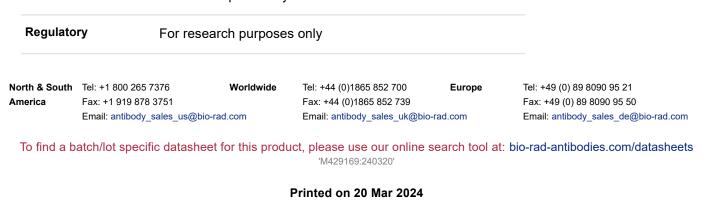
Description:	NATIVE HUMAN COLLAGEN IV
Name:	COLLAGEN IV
Format:	Purified
Product Type:	Purified Protein
Quantity:	0.1 mg

Product Details

Applications	derived from communicati	testing withi ons from the For general	in our lab e originato protocol r	oratories, ors. Pleas	ne following application peer-reviewed publica e refer to references in idations, please visit <u>w</u>	tions or personal dicated for further
		<u>.3.0011/p1010</u>	Yes	No	Not Determined	Suggested Dilution
	ELISA		•			
	Where this p	roduct has n	not been t	ested for	use in a particular tech	nnique this does not
	necessarily e	exclude its us	se in sucł	n procedu	res. Suggested workin	g dilutions are given as
	• •				er titrates the product f	or use in their own
	system using	appropriate	e negative	/positive	controls.	
Target Species	Human					
Product Form	Purified prote	ein - liquid				
Preparation	Salt and alcohol precipitations, DEAE chromatography. Purity and retention of native helical structure was controlled by SDS-PAGE, ORD measurement, ability to form microfibrils and by reaction with anti-collagen type specific monoclonal antibodies.					
Buffer Solution	Phosphate b	uffered salin	е			
Preservative Stabilisers	<0.1% Sodiu	m Azide (Na	aN ₃)			
Approx. Protein Concentrations	Total protein concentration 1.0 mg/ml					
External Database						
Links	UniProt:					
	<u>P02462</u>	Related r				
	P08572	Related r	eagents			
	<u>Q01955</u>	Related r	eagents			

	P53420 Related reagents
	P29400 Related reagents
	Q14031 Related reagents
	Entrez Gene:
	1282 COL4A1 Related reagents
	1284 COL4A2 Related reagents
	1285 COL4A3 Related reagents
	1286 COL4A4 Related reagents
	1287 COL4A5 Related reagents
	1288 COL4A6 Related reagents
Product Information	Human collagen type IV derived from placenta.
	Cross reactivity:
	Human collagen type I-III, V, VI (<5%). Non collagen proteins (<0.5%).
Protein Molecular Weight	340 kDa
Purity	>95% by SDS-PAGE
Further Reading	 Glanville, R.W. <i>et al.</i> (1979) Isolation and characterization of a native placental basement-membrane collagen and its component alpha chains. <u>Eur J Biochem. 95 (2)</u>: <u>383-9.</u> Sage, H. & Bornstein, P. (1979) Characterization of a novel collagen chain in human
Further Reading	 basement-membrane collagen and its component alpha chains. <u>Eur J Biochem. 95 (2):</u> <u>383-9.</u> 2. Sage, H. & Bornstein, P. (1979) Characterization of a novel collagen chain in human placenta and its relation to AB collagen. <u>Biochemistry. 18 (17): 3815-22.</u>
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	 basement-membrane collagen and its component alpha chains. Eur J Biochem. 95 (2): 383-9. 2. Sage, H. & Bornstein, P. (1979) Characterization of a novel collagen chain in human placenta and its relation to AB collagen. Biochemistry. 18 (17): 3815-22. 3. Klasson, S.C. <i>et al.</i> (1986) The effects of tissue pretreatment and pepsin levels on the isolation of collagens from human placenta. Coll Relat Res. 6 (5): 397-408. 4. Bornstein, P. & Sage, H. (1980) Structurally distinct collagen types. Annu Rev Biochem. 49: 957-1003. This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for
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As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious



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