



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Native Human Collagen IV

Catalog No.
DS-01-0061

Species
Human

Description

Human collagen type IV from placenta. Human collagen type I-III, V, VI (<5%). Non collagen proteins (<0.5%).

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.

Formulation

Form: Purified protein - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Molecular Weight: 340kDa

Purity: SDS PAGE: >95%

Applications

Table Summary of Protein Applications and Working Conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			
Western Blotting			.	
IHC			.	
EIA			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Stability

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 12 months from date of dispatch

References

1. Glanville, R.W. *et al.* (1979) Isolation and characterization of a native placental basement-membrane collagen and its component alpha chains Eur. J. Biochem. 95: 383-389.
2. Sage, H. *et al.* (1979) Characterization of a novel collagen chain in human placenta and its relation to AB collagen Biochemistry. 18: 3815-3822.
3. Klasson, S.C. *et al.* (1986) The effects of tissue pretreatment and pepsin levels on the isolation of collagens from human placenta. Coll. Relat. Res. 6: 397-402.
4. Bornstein, P. (1980) Structurally distinct collagen types Ann. Rev. Biochem. V. 49: 957-1003.

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