



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Native Collagen I (Tail Tendon)

Catalog No.
DS-01-0057

Target Species
Mouse

Preparation

Preparation: Collagens were extracted from washed dissected tissue into dilute acetic acid after mild pepsin treatment. Collagen type I was purified by using differential salt precipitation.

Purity: SDS PAGE: 90%. Cross linked collagen type I dimers and trimers represent approximately 10%

Applications

Table Summary of Protein Applications and Working Conditions

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

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

Note

Mouse collagen type III 10%, Mouse collagen (other types) <1%, Non-collagenous proteins <0.5%
Thermal denaturation converts the collagen to gelatin.

Formulation

Product Type: Purified Protein

Buffer Solution: 0.01M acetic acid

Product Form: Purified protein - lyophilized

Reconstitution: Reconstitute with sterile distilled water. For long term storage, addition of a preservative is recommended.

Molecular Weight: ~300 kDA

Approx. Protein Concentration: 1.0 mg/ml

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



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Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted.

Avoid repeated freezing and thawing as this may denature the antibody.

Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch

References

1. Rhodes, R. K. & Miller, E. J. (1978) Physicochemical characterization and molecular organization of the collagen A and B chains [Biochemistry 17: 3442 - 3448](#)

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