

Native Human Collagen Type IV protein

Cat. No. Collagen-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Collagen Type IV protein
Species	Human
Source	Human
Description	Collagen type IV is a type of collagen found primarily in the basal lamina. The type IV collagen C4 domain at the C-terminus is not removed in post-translational processing, and the fibers link head-to-head, rather than in parallel. Also, collagen type IV lacks the regular glycine in every third residue necessary for the tight, collagen helix. This makes the overall arrangement more sloppy with kinks. These two features cause collagen IV to form in a sheet, the form of the basal lamina. There are six human genes associated with collagen IV: COL4A1, COL4A2, COL4A3, COL4A4, COL4A5 and COL4A6.
Form	Liquid (sterile filtered), 0.5 M Acetic Acid.
Purity	This product has been prepared from human placenta and is chromatographically and immunologically pure. This product is free from other collagens, human serum proteins and non-collagen extracellular matrix proteins. This product reacts with anti-Collagen Type IV. Reaction with Rockland's anti-Collagen I, II, III, V or VI is negligible (typically less than 1% cross-reactivity was detected by ELISA).
Applications	ELISA : 1:10,000

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Western Blot : 1:1000
Immunohistochemistry: 1:100-1:500
Other Dilution: User Optimized

Notes For use as a control or standard in indirect trapping ELISA for quantitation of antigen using a standard curve, for immunoprecipitation and for other immunological assays as optimized by the user. Specific conditions should be optimized by user.

Stability None

Storage Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Concentration 1.0 mg/mL by dry weight

Preservative 0.01% (w/v) Sodium Azide

GENE INFORMATION

Synonyms Type IV collagen, collagen 4, human collagen, Collagen alpha-4 (IV) chain

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