Native Human Collagen IV

Cat. No. Collagen-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	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.
Applications	ELISA : 1:10,000Western Blot : 1:1000Immunohistochemistry: 1:100-1:500Other Dilution: User Optimized
Usage	This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made

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	within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale.
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
Storage Buffer	0.5 M Acetic Acid
Preservative	0.01% (w/v) Sodium Azide
Shipping	Wet Ice

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