

Human COLLAGEN Type IV - 009-001-106

Code: 009-001-106

Size: 500 µg

Product Description: Human COLLAGEN Type IV - 009-001-106

Concentration: 1.0 mg/mL by dry weight

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Gene Name	COL4A4
Buffer	0.5 M Acetic Acid
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	Type IV collagen, collagen 4, human collagen, Collagen alpha-4 (IV) chain
Application Note	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.
Background	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.
Purity And Specificity	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).
Assay Dilutions	User Optimized
ELISA	1:10,000
Western Blot	1:1000
Immunohistochemistry	1:100-1:500
Other Assays	User Optimized
Expiration	Expiration date is six (6) months from date of opening.
Related Products	
	200-301-268 Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
	610-4302 Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
	611-1302 Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
	B304 NORMAL GOAT SERUM (NGS) - B304

Disclaimer

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