

Certificate of Analysis

Product: Biotin Conjugated Affinity Purified anti-Collagen Type VI [Rabbit] Minimum Cross Reactivity to Type I, II, III, IV, and V.

Code: 600-406-108

Lot # 18403

Size: 100 µg

Physical State: Liquid (sterile filtered)

Antibody Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)

Label: Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)

Biotin/Protein Ratio: 10-20 BAC molecules per Rabbit IgG molecule

Buffer: 0.125M Sodium Borate, 0.075M Sodium Chloride, 0.005M EDTA; pH 8.0

Stabilizer: 10 mg/ml Bovine Serum Albumin (Immunoglobulin and Protease Free)

Preservative: 0.01% (w/v) Sodium Azide

Application(s): Anti-Collagen antibodies have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis.

Recommended Dilution(s):	ELISA	1:10,000 - 1:50,000
	WESTERN BLOT	1:5,000 - 1:10,000
	IMMUNOHISTOCHEMISTRY	1:200 - 1:1,000

Storage Conditions: 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. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening product.

Purity and Specificity: This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities. Typically less than 1% cross reactivity against other types of collagens was detected by ELISA against purified standards. Some class specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues. This antibody reacts with most mammalian Type VI collagens and has negligible cross-reactivity with Type I, II, III, IV and V collagens. Non-specific cross reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins is negligible.

Immunogen: Collagen Type VI from human and bovine placenta

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

Note: 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.