



Meridian

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Innovative Solutions. Trusted Partner.®

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: T59108R **Lot #:** 10E14604

Description: Rabbit anti Collagen Type VI
Rabbit Antibody to Human Collagen Type VI

Specificity: Minimum cross-reaction to Type I, II, III, IV, and V Collagens. Typically <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. Reacts with most mammalian Type VI collagens and has negligible cross-reactivity with Type I, II, III, IV or V collagens. Non-specific cross-reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins is negligible.

Host Animal: Rabbit

Immunogen: Collagen Type VI from human and bovine placenta

Format: Affinity Purified, Liquid

Purification: 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.

Concentration: 1mg/ml (OD280nm)

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

Preservative: 0.01% (w/v) Sodium Azide

Applications: Suitable for use in ELISA, for non-denaturing immunoblot for highly sensitive qualitative analysis and for immunohistochemistry. This product was assayed by non-denaturing immunoblot and found to be reactive against Collagen VI at a dilution of 1:5,000 to 1:10,000. This product was also assayed against 1ug of Collagen VI in a standard ELISA using Peroxidase conjugated Affinity Purified Goat anti Rabbit IgG (H&L) and ABTS as a substrate for 30 minutes at room temperature. A working dilution of 1:4000 to 1:8000 of the stock concentration is suggested for this product. For immunohistochemistry on frozen tissue sections dilute the product 1:50 to 1:200. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store at 2-8°C before opening. This product is stable at 2-8°C as an undiluted liquid. Prepare working dilution only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot and store at -20°C or below. Avoid multiple freeze/thaw cycles. Expiration date is one year from date of opening product.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The reference listed below is for research purposes only.
Puolakkainen, P.A., et al., (2004), "Enhanced growth of pancreatic tumors in SPARC-Null mice is associated with decreased deposition of extracellular matrix and reduced tumor cell apoptosis", Molecular Cancer Research, 2:215-224



08 Feb 2017

Signature

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY