



Meridian

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CERTIFICATE OF ANALYSIS

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

Catalog #: T59107R **Lot #:** 6K33504

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

Specificity: Reacts with most mammalian Type V collagens and has negligible cross-reactivity with Type I, II, III, IV, and VI collagens. Non-specific cross-reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins is negligible. Typically less than 1% cross reactivity against other types of collagen was detected using 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.

Host Animal: Rabbit

Immunogen: Collagen Type V 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: 1 mg/mL (OD280nm)

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

Preservative: 0.01% (w/v) Sodium Azide

Applications: Suitable for use in ELISA and for non-denaturing immunoblot for highly sensitive qualitative analysis and immunohistochemistry. Was assayed by non-denaturing immunoblot and found to be reactive against Collagen V at a dilution of 1:5,000 to 1:10,000. This product was also assayed against 1.0 µg of Collagen V 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 1:4,000 to 1:8,000 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: Upon receipt, store at 2–8°C as an undiluted liquid. Prepare working dilution only prior to immediate use. For long term storage, mix with an equal volume of glycerol, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. Expiration date is one (1) year from opening.

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

Signature

08 Feb 2017

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY