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CERTIFICATE OF ANALYSIS

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

Catalog #: T40263R **Lot #:** 5G20322

Description: Rabbit A' Mouse Collagen IV
Rabbit Antibody to Mouse Collagen Type IV

Specificity: Cross-Reactivity (RIA%):

Mouse Collagen Type IV	100%
Mouse Collagen Types I, III	<0.1%
Human Collagen Type IV, V	<0.1%
Mouse Fibronectin	<0.1%
Mouse Laminin	<4.0%

Host Animal: Rabbit

Immunogen: Collagen Type IV extracted and purified from mouse tumor tissues.

Format: Purified, Lyophilized
Reconstitute with 0.1 mL deionized water.

Purification: Column Chromatography

Concentration: Not Determined

Buffer: Not Applicable

Preservatives: None

Applications: Suitable for use in Immunostaining of extra or intracellular components in light microscopy.
IFA: (with fluorescein anti-rabbit IgG conjugate), use diluted at ≥ 1:80 on frozen mouse tissues (skin, liver).
IHC(p): ≥ 1:500 on fixed, paraffin-embedded mouse tissues (skin, liver).
ELISA: ≥ 1:200 (OD ≥ 500).
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: Lyophilized: Short-term (up to 2 years) store at 2–8°C. Long term store at -20°C.
Reconstituted: Aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

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

References: The references listed below are for research purposes only:

1. Neto, J.S., et al., (2006), "Low-dose carbon monoxide inhalation prevents development of chronic allograft nephropathy", Am. J. Physiol. Renal Physiol., **290**: F324–F334.
2. Park, C.W., et al., (2006), "Accelerated Diabetic Nephropathy in Mice Lacking the Peroxisome Proliferator-Activated Receptor alpha", Diabetes, **55**: 885–893.
3. Elliot, S.J., et al., (2006), "Smoking induces glomerulosclerosis in aging estrogen-deficient mice through cross-talk between TGF-beta1 and IGF-I signaling pathways", J. Am. Soc. Nephrol., **17**: 3315–3324.

Quality Signature: 25 Jul 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY