

Collagen I antibody (Biotin)

Cat. No. GTX26577

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, FCM, Dot, Multiplexing
Reactivity	Human, Mouse, Rat

References (1)

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:3000-1:6000
ICC/IF	Assay dependent
IHC-P	1:50-1:200
FCM	Assay dependent
Dot	Assay dependent
Multiplexing	Assay dependent

Not tested in other applications.

Calculated MW 139 kDa. ([Note](#))

Product Note

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 I collagens and has expected cross-reactivity with Type III and negligible cross reactivity with Type II, IV, V or VI collagens.

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl, 1% BSA
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Collagen Type I from human and bovine placenta.



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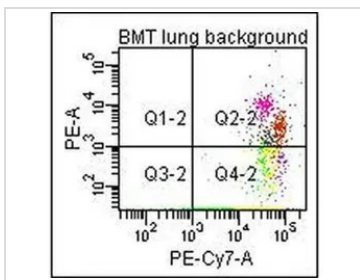
Purification
Purified by antigen-affinity chromatography. Immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities.

Conjugation
Biotin
Ratio : 1-2 molecules BAC per Rabbit IgG molecule.

Note
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

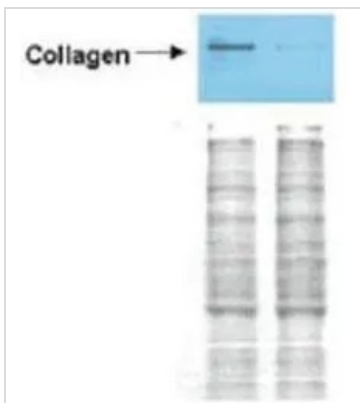
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DATA IMAGES



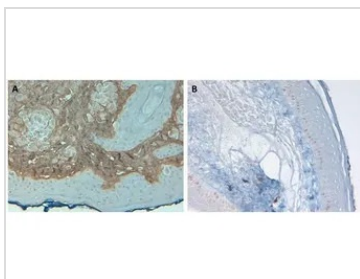
GTX26577 FCM Image

Flow Cytometry of Anti-Collagen Type I Biotin Conjugated Antibody. Cells: mouse lung. Stimulation: none. Primary antibody: biotin conjugated anti-collagen type I antibody. Secondary antibody: PE-conjugated CD45 and PE-conjugated anti-collagen type I secondary antibody.



GTX26577 WB Image

Western Blot of Rabbit anti-Collagen I antibody (GTX26577). Lane 1: Wistar rat hepatic stellate cells (HSC) in control (GFP-transduced). Lane 2: PPARg-transduced cell lysates. Load: 100 µg per lane. Protein staining shown below each blot depicts equal protein loading. Primary antibody: anti-Collagen I antibody at 0.2–2 µg/10 ml for overnight at 4°C. Secondary antibody: horseradish peroxidase-conjugated rabbit secondary antibody at 1 µg/10 ml for overnight at 4°C. Block: TBS with 5% Non-fat milk. Predicted/Observed size: 138.9 kDa for Collagen I. Other band(s): none.



GTX26577 IHC-P Image

Immunohistochemistry of Rabbit Anti-Collagen Type I Antibody (GTX26577). Tissue: Human Skin at pH9. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Collagen Type I antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Collagen Type I is secreted in the extracellular matrix. Staining: Collagen Type I as precipitated brown signal (A) with hematoxylin purple nuclear counterstain. With corresponding negative control (B)



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