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

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 4ºC. For long-term storage, aliquot and store at -20ºC 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.

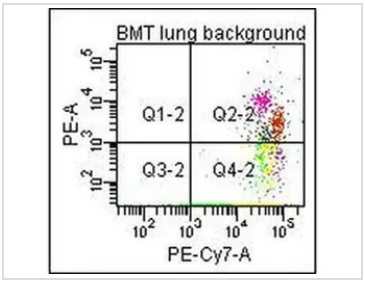
For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

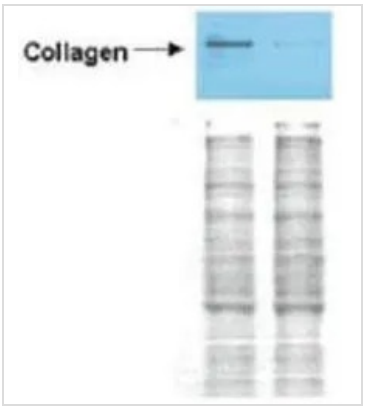
Purification	Purified by antigen-affinity chromatography. Immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities.
Conjugation	Biotin 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. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



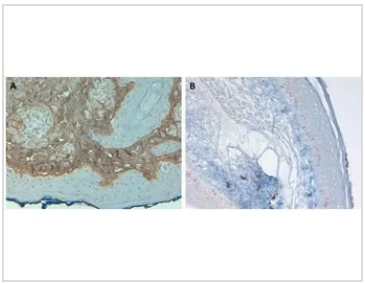
GTX26577 FCM Image

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)

For full product information, images and publications, please visit our website.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com