

Collagen IV Monoclonal Antibody (3G3)

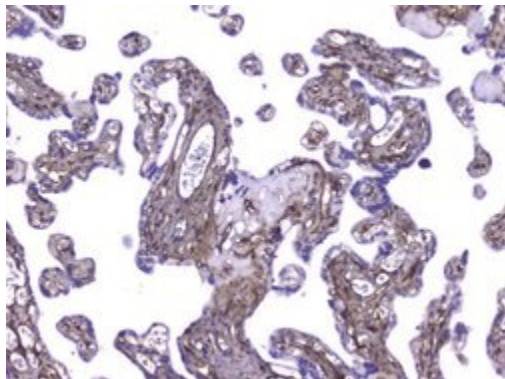
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3G3
Conjugate	Unconjugated
Immunogen	E.coli-derived human Collagen IV recombinant protein (Position: G1445-T1669). Human Collagen IV shares 97% amino acid (aa) sequence identity with mouse Collagen IV.
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	0.2mg sodium phosphate with 0.9mg NaCl, 4mg trehalose
Contains	0.05mg sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2884061

Applications	Tested Dilution	Publications
Immunofluorescence (IF)	2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
Western Blot (WB)	0.1-0.5 µg/mL	-

Product Specific Information

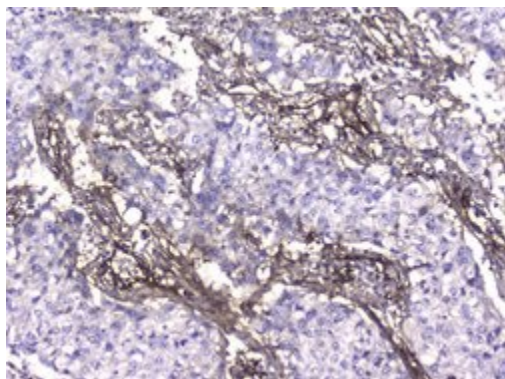
Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Product Images For Collagen IV Monoclonal Antibody (3G3)



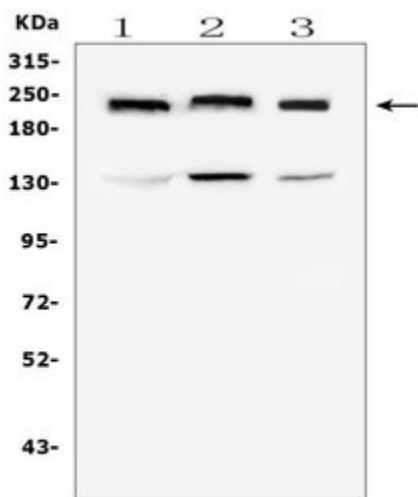
Collagen IV Antibody (MA5-36227) in IHC (P)

Immunohistochemistry analysis of Collagen IV in paraffin-embedded human lung cancer tissue. Antigen retrieval was performed with citrate buffer (pH6, 20 min). Samples were blocked with 10% goat serum and incubated in Collagen IV monoclonal antibody (Product # MA5-36227) at a dilution of 2 µg/mL (overnight, 4°C), followed by biotinylated goat anti-mouse IgG (30 min, 37°C) and Streptavidin-Biotin-Complex (SABC) with DAB.



Collagen IV Antibody (MA5-36227) in IHC (P)

Immunohistochemistry analysis of Collagen IV in paraffin-embedded human placenta tissue. Antigen retrieval was performed with citrate buffer (pH6, 20 min). Samples were blocked with 10% goat serum and incubated in Collagen IV monoclonal antibody (Product # MA5-36227) at a dilution of 2 µg/mL (overnight, 4°C), followed by biotinylated goat anti-mouse IgG (30 min, 37°C) and Streptavidin-Biotin-Complex (SABC) with DAB.



Collagen IV Antibody (MA5-36227) in WB

Western blot analysis of Collagen IV in the following samples: Lane 1: human HEK293T whole cell lysate, Lane 2: human HeLA whole cell lysate, Lane 3: human A549 whole cell lysate. Samples consisting of 50 µg (reducing conditions) of protein was separated with 8% SDS-PAGE gel (70V, Stacking gel; 90V, Resolving gel; 2-3 hrs.), transferred to a Nitrocellulose membrane (150mA, 50-90 min) and washed with TBS-0.1% Tween (3 times, 5 minutes/wash) and blocked with 5% Non-fat Milk/TBS (1.5 hrs., room temperature). The membrane was incubated in Collagen IV monoclonal antibody (Product # MA5-36227) at a dilution of 0.5 µg/mL (overnight, 4°C), followed by goat anti-mouse IgG-HRP and chemiluminescence (ECL) with a dilution of 1:10,000 (1.5 hours, room temperature).

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