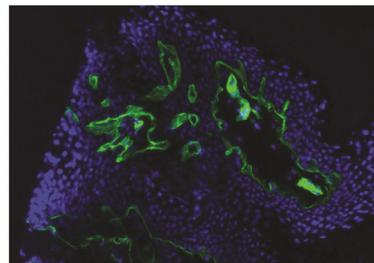




## Mouse Anti-Human Type IV Collagen

Cat. No.	Format	Size
1460-01	Purified (UNLB)	0.1 mg
1460-02	Fluorescein (FITC)	0.1 mg
1460-08	Biotin (BIOT)	0.1 mg
1460-09	R-phycoerythrin (PE)	0.1 mg



Frozen human skin tissue section was stained with Mouse Anti-Type IV Collagen-UNLB (SB Cat. No. 1460-01) followed by Goat Anti-Mouse IgG<sub>1</sub>, Human ads-AF488 (SB Cat. No. 1070-30) and DAPI.

### Overview

<b>Clone</b>	2F11
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1</sub> κ
<b>Immunogen</b>	Native human type IV collagen
<b>Specificity</b>	Human type IV collagen

### Applications

ELISA – Quality tested  
 FLISA – Quality tested  
 IHC-PS – Reported in literature <sup>1</sup>  
 IHC-FS – Reported in literature <sup>2,3</sup>

### Working Dilutions

<b>ELISA</b>	BIOT conjugate	1:5,000 – 1:20,000
<b>FLISA</b>	FITC conjugate	1:200 – 1:800
	PE conjugate	≤ 1 µg/mL
<b>Immunohistochemistry</b>	Purified (UNLB) antibody	≤ 2 µg/mL
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

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Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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1. Mak KM, Chu ES, Lau KH, Kwong AJ. Liver fibrosis in elderly cadavers: localization of collagen types I, III, and IV,  $\alpha$ -smooth muscle actin, and elastic fibers. *Anat Rec.* 2012;295:1159-67. (IHC-PS)
2. Weller JM, Zenkel M, Schlötzer-Schrehardt U, Bachmann BO, Tourtas T, Kruse FE. Extracellular matrix alterations in late-onset Fuchs' corneal dystrophy. *Invest Ophthalmol Vis Sci.* 2014;55:3700-8. (IHC-FS)
3. Schlötzer-Schrehardt U, Bachmann BO, Tourtas T, Torricelli AA, Singh A, González S, et al. Ultrastructure of the posterior corneal stroma. *Ophthalmology.* 2015;122:693-9. (IHC-FS)