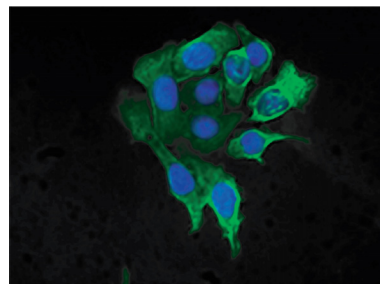




## Mouse Anti-Cytokeratin 8

Cat. No.	Format	Size
10080-01	Purified (UNLB)	0.1 mg
10080-02	Fluorescein (FITC)	0.1 mg
10080-05	Horseradish Peroxidase (HRP)	1.0 mL



Human pancreatic carcinoma cell line MIA PaCa-2 was stained with Mouse Anti-Cytokeratin 8-FITC (SB Cat. No. 10080-02) followed by DAPI.

### Overview

<b>Clone</b>	SB37b
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2a</sub> K
<b>Immunogen</b>	Recombinant C-terminal cytokeratin 8
<b>Specificity</b>	Cytokeratin 8
<b>Alternate Name(s)</b>	CK 8, keratin 8

### Description

Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1-8). The two keratin types share only 30% sequence homology. Keratins demonstrate tissue- and differentiation-specific expression profiles. Cytokeratin 8 belongs to the type B (basic) subfamily of keratins and exists in combination with keratin 18. It is expressed in all simple type epithelia tissues (e.g., liver, pancreas, kidney, gut epithelial lining) but not in stratified squamous epithelia. Cytokeratin 8 is also present in the majority of adenocarcinomas and ductal carcinomas but is absent in most squamous cell carcinomas.

### Applications

ICC – Quality tested <sup>1</sup>  
 ELISA – Quality tested  
 IHC-PS – Reported in literature <sup>2</sup>  
 FC <sup>3</sup>  
 WB <sup>3</sup>  
 IP <sup>3</sup>

### Working Dilutions

<b>Immunocytochemistry</b>	Purified (UNLB) antibody	≤ 5 µg/mL
	FITC conjugate	≤ 5 µg/mL
<b>ELISA</b>	HRP conjugate	1:2,000 – 1:4,000
<b>Immunoblotting</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.**

Corporate Offices: 160 Oxmoor Blvd • Birmingham, AL 35209 • USA Mailing Address: P.O. Box 26221 • Birmingham, AL 35260 • USA

Tel: 205.945.1774 • U.S. and Canada: 800.722.2255 • Fax: 205.945.8768

Email: [info@southernbiotech.com](mailto:info@southernbiotech.com) • Website: [www.southernbiotech.com](http://www.southernbiotech.com)

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 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 horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- 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. Chatin B, Mével M, Devallière J, Dallet L, Haudebourg T, Peuziat P, et al. Liposome-based formulation for intracellular delivery of functional proteins. *Mol Ther Nucleic Acids*. 2015;4:e244. (ICC)
2. Wang D. Individualized cardiovascular medicine: identifying new mechanisms to inhibit the development of myointimal hyperplasia [dissertation]. Hamburg (Germany): University Medical Center Hamburg-Eppendorf; 2015. (IHC-PS)
3. SouthernBiotech unpublished data (FC, WB, IP)