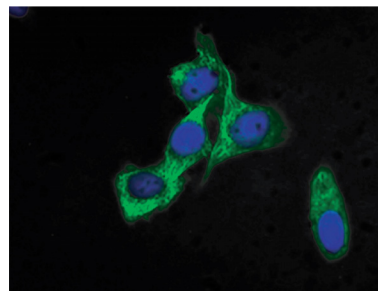




## Mouse Anti-Cytokeratin 18

Cat. No.	Format	Size
10085-01	Purified (UNLB)	0.1 mg
10085-02	Fluorescein (FITC)	0.1 mg
10085-05	Horseradish Peroxidase (HRP)	1.0 mL
10085-08	Biotin (BIOT)	0.1 mg



Human mammary gland carcinoma cell line HCC38 was stained with Mouse Anti-Cytokeratin 18-FITC (SB Cat. No. 10085-02) followed by DAPI.

### Overview

<b>Clone</b>	SB38b
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2b</sub> K
<b>Immunogen</b>	Recombinant N-terminal cytokeratin 18
<b>Specificity</b>	Cytokeratin 18
<b>Alternate Name(s)</b>	CK 18, keratin 18

### 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 18 is a type I intermediate filament protein that exists as a heterotetramer composed of two type I and two type II keratins. Cytokeratin 18 is expressed in all simple type epithelia and basal cells of many squamous and non-epidermal epithelia and is often co-expressed with cytokeratin 8. Tissues from the gastrointestinal tract, respiratory tract, and urogenital tract as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

### Applications

ELISA – Quality tested  
 FLISA – Quality tested  
 IHC-PS<sup>1</sup>  
 ICC<sup>1</sup>  
 FC<sup>2</sup>  
 WB<sup>2</sup>

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 µg/mL
	HRP conjugate	1:500 – 1:1,000
	BIOT conjugate	1:10,000 – 1:20,000
<b>FLISA</b>	FITC conjugate	1:200 – 1:400

**Other Applications** 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.**

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## 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.
- 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.
- 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. SouthernBiotech published data (IHC-PS, ICC)
2. SouthernBiotech unpublished data (FC, WB)