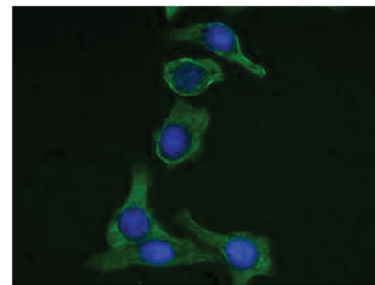




Mouse Anti-Cytokeratin 19

Cat. No.	Format	Size
10090-01	Purified (UNLB)	0.1 mg
10090-02	Fluorescein (FITC)	0.1 mg
10090-05	Horseradish Peroxidase (HRP)	1.0 mL



Human pancreatic carcinoma cell line MIA PaCa-2 was stained with Mouse Anti-Cytokeratin 19-FITC (SB Cat. No. 10090-02) followed by DAPI.

Overview

Clone	SB39g
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Recombinant C-terminal cytokeratin 19
Specificity	Cytokeratin 19
Alternate Name(s)	CK 19, keratin 19

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 19 is the smallest human keratin. It is found in many simple and some non-keratinizing stratified squamous epithelia and is often co-expressed with keratin 7. Cytokeratin 19 has been implicated as a marker for stem cells in some tissues such as hair follicles in the skin. Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification. The degree of cytokeratin 19 positivity in breast cancer distinguishes malignant from benign tumors. Cytokeratin 19 is also associated with malignant transformation in esophageal and pancreatic cancers.

Applications

ELISA – Quality tested
 FLISA – Quality tested
 WB – Quality tested
 IHC-PS²
 ICC²
 FC – Reported in literature¹
 IP³

Working Dilutions

ELISA	HRP conjugate	1:1,000 – 1:4,000
FLISA	FITC conjugate	1:200 – 1:400
Immunoblotting	Purified (UNLB) antibody	≤ 1 µg/mL
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.

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 • Website: www.southernbiotech.com

Handling and Storage

- 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/NaN₃. 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

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

References

1. Berglin L, Björkström NK, Bergquist A. Primary sclerosing cholangitis is associated with autoreactive IgA antibodies against biliary epithelial cells. *Scand J Gastroenterol.* 2013;48:719-28. (FC)
2. SouthernBiotech published data (IHC-PS, ICC)
3. SouthernBiotech unpublished data (IP)