

# Cytokeratin Monoclonal Antibody [AE1 /AE3]

Mouse Monoclonal

Purified		RefSeq ID	NP_000412.4
Catalog No.	A500-019A-T	Uniprot ID	P13645, P02533, P19012, P08779, P08727
Lot No.	3	GenelD	3858

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<b>APPLICATIONS</b>	IHC, ICC, IHC-IF, ICC-IF, mIF
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	10 µl (5+ tests)
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG1
<b>CLONE #</b>	AE1 /AE3
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	The antibody was purified from cell culture supernatant.

Immunogen: Human epidermal callus.

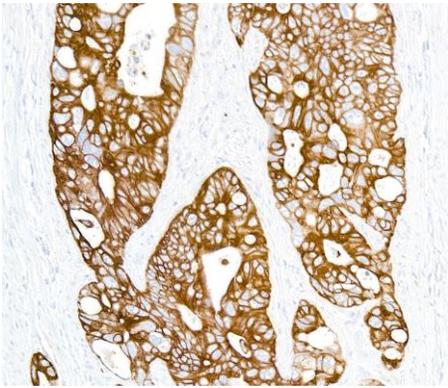
**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Immunohistochemistry	1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunocytochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Immunofluorescence (IHC)	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunofluorescence (ICC)	1:100 – 1:500
Multiplex Immunofluorescence	1:250

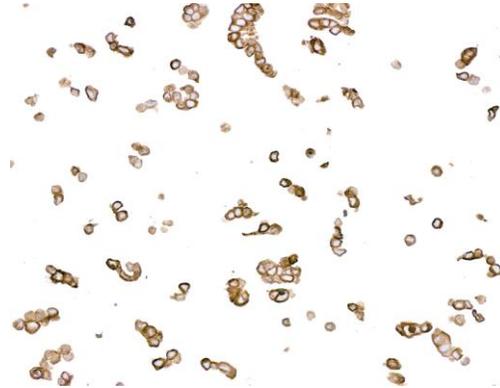
**IHC HUMAN CONTROLS** Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, MCF-7 Cells

**ADDITIONAL INFO** <https://www.fortislife.com/p/A500-019A-T>  
Use the link above to view SDS, a current list of citations, and other product specific information.

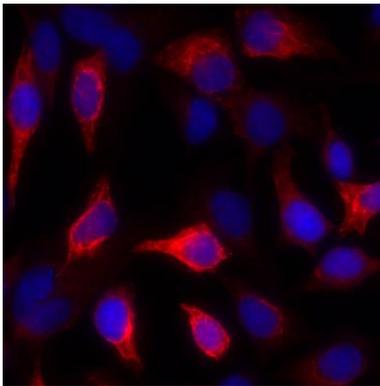
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: August 1, 2023



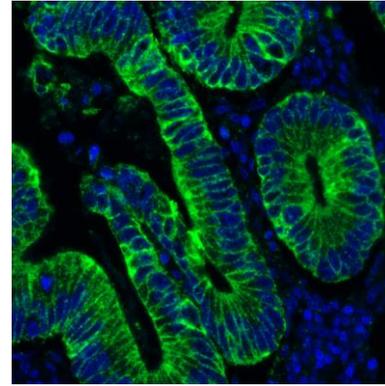
**Detection of human Cytokeratin by immunohistochemistry.** *Sample:* FFPE section of colon carcinoma. *Antibody:* Mouse anti-Cytokeratin monoclonal antibody [AE1/AE3] (A500-019A-3). *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P).



**Detection of human Cytokeratin by immunocytochemistry.** *Sample:* FFPE section of MCF7 cells. *Antibody:* Mouse anti-Cytokeratin monoclonal antibody [AE1/AE3] (A500-019A-3). *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P).



**Detection of human Cytokeratin by immunocytochemistry.** *Sample:* acetone/methanol fixed HeLa cells. *Antibody:* Mouse monoclonal anti-Cytokeratin antibody [AE1/AE1] (A500-019A-T lot 1) used at 1:100. *Secondary:* DyLight® 594-conjugated goat anti-mouse IgG (A90-116D4). *Counterstain:* DAPI.



**Detection of human Cytokeratin (green) by immunohistochemistry.** *Sample:* FFPE section of human colon carcinoma. *Antibody:* Mouse anti-Cytokeratin monoclonal antibody [AE1/AE3] (A500-019A-T lot 1) used at 1:500. *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P). *Substrate:* Opal™. *Counterstain:* DAPI (blue).