Cytokeratin 14 Recombinant Monoclonal Antibody [LL002]



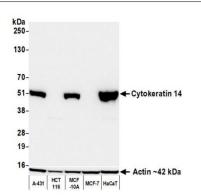
Mouse Recombinant Monoclonal

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Purified			q ID	NP_000517.3	
Catalog No.	A700-2			P02533	
Lot No.	1	Gene	D	3861	
APPLICATIONS		WB, IP, IHC, ICC, Flow Cyt			
SPECIES REACTIVITY		Human			
AMOUNT		100 µl (50+ tests)			
CONCENTRATION		100 μg/ml			
STORAGE/SHELF LIFE		2 - 8°C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide			
ISOTYPE		IgG2a			
CLONE #		LL002			
ORIGIN		USA			
PRODUCTION PROCEDURES		Recombinant antibody was manufactured using variable regions (VH and VL) derived from the hybridoma.			
		Recombinant antibody was purified from cell culture supernatant.			
		Immunogen was a peptide corresponding to Human Cytokeratin 14 (C terminal).			
APPLICATIONS		Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.			
		Western Blot		,000	
		Immunoprecipitation Immunohistochemistry	/ 1:1	µl/1 mg lysate 00 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is ommended for FFPE tissue sections.	
		Immunocytochemistry		00 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is ommended for FFPE cell sections.	
		Flow Cytometry		ed in 4% formaldehyde and permeabilized with 90% methanol. 1 μl 1 x 10^6 cells.	
IHC HUMAN CONTROLS		Bladder Carcinoma, Head and Neck Squamous Cell Carcinoma, Skin Carcinoma, Tonsil, A-431 Cells, Cal-27 Cells, HaCaT Cells, MCF10A Cells, SW954 Cells			
ADDITIONAL INFO		https://www.fortislife.com/p/A700-293 Use the link above to view SDS, a current list of citations, and other product specific information.			

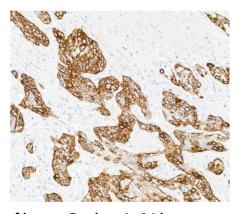
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Michael Spencer, PhD Date: September 28, 2023

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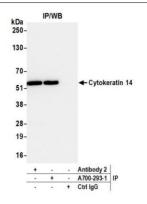
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Detection of human Cytokeratin 14 by western blot. *Samples:* Whole cell lysate (25 µg) from A-431, HCT 116, MCF-10A, MCF-7, and HaCaT cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-Cytokeratin 14 recombinant monoclonal antibody [LL002] (A700-293 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).



Detection of human Cytokeratin 14 by immunohistochemistry. *Sample:* FFPE section of bladder carcinoma. *Antibody:* Mouse anti-Cytokeratin 14 recombinant monoclonal antibody [LL002] (A700-293). *Secondary:* HRP-conjugated goat anti-mouse IgG (A90-116P).

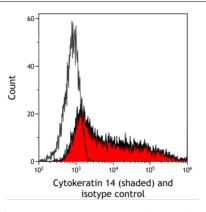


Detection of human Cytokeratin 14 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg per IP; 10% of IP loaded) from MCF-10A cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-Cytokeratin 14 recombinant monoclonal antibody [LL002] (A700-293 lot 1) used for IP at 20 μ l/mg lysate. Cytokeratin 14 was also immunoprecipitated by a second antibody against a different epitope of Cytokeratin 14 (Antibody 2). For blotting immunoprecipitated Cytokeratin 14, A700-293 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human Cytokeratin 14 by immunocytochemistry. *Sample:* FFPE section of CAL-27 cells. *Antibody:* Mouse anti-Cytokeratin 14 recombinant monoclonal antibody [LL002] (A700-293). *Secondary:*HRPconjugated goat anti-mouse IgG (A90-116P).

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Detection of human Cytokeratin 14 (shaded) in FaDu cells by flow cytometry. *Antibody:* Mouse anti-Cytokeratin 14 recombinant monoclonal antibody [LL002] (A700-293) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-mouse IgG (A90-116D5).

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