CD44 Recombinant Monoclonal Antibody [BLR038F]

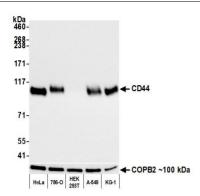


Rabbit Recombinant Monoclonal					
Purified		RefSeq ID	NP_000601.3		
Catalog No.	A700-0	A700-038		P16070	
Lot No.	A700-0	038-3	GenelD	960	
APPLICATIONS		WB, IP, IHC, ICC, IHC–IF, Flow Cyt			
SPECIES REACTIVITY		Human, Mouse			
AMOUNT		100 µl (50+ tests)			
CONCENTRATION		50 μg/ml			
STORAGE/SHELF LIFE		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		IgG			
CLONE #		BLR038F			
ORIGIN		USA			
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.			
FROCEDURES		Immunogen was a peptide representing a region between residue 700 and the C-terminus (residue 742) of human CD44 using the numbering given in entry NP_000601.3 (Gene ID 960).			
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	1:	1000	
		Immunoprecipit	ation 20) ul/1mg lysate	
		Immunohistoch	-	100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is commended for FFPE tissue sections.	
		Immunocytoche		100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is commended for FFPE cell sections.	
		Immunofluoresc (IHC)		100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is commended for FFPE tissue sections.	
		Flow Cytometry	1	µl per 1 X 10^6 cells	
IHC HUMAN CONTROLS		Breast Carcinoma, Head and Neck Squamous Cell Carcinoma, Lung Carcinoma, Skin Carcinoma, 786–O Cells, A–172 Cells, A–549 Cells, HCT 116 Cells, HeLa Cells			
ADDITIONAL INFO		https://www.fortislife.com/p/A700-038 Use the link above to view SDS, a current list of citations, and other product specific information.			

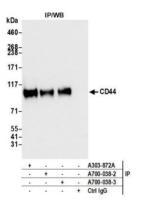
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Michael Spencer, PhD Date: August 31, 2022

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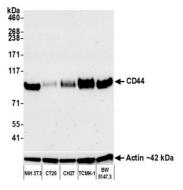


Detection of human CD44 by western blot. *Samples:* Whole cell lysate (10 µg) from HeLa, 786–O, HEK293T, A–549, and KG–1 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti–CD44 recombinant monoclonal antibody [BLR038F] (A700–038 lot 3) used at 1:1000. *Secondary:* HRP-conjugated goat anti–rabbit lgG (A120–101P). Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti–COPB2 antibody (A304–523A).

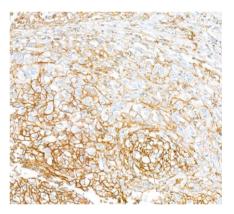


Detection of human CD44 by western blot of

immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038 lot 3) used for IP at 20 μ l/mg lysate. CD44 was also immunoprecipitated by a previous lot of this antibody (A700-038 lot 2) and a second antibody against a different epitope of CD44 (A303-872A). For blotting immunoprecipitated CD44, A700-038 was used at 1:1000. Chemiluminescence with an exposure time of 1 second.



Detection of mouse CD44 by western blot. *Samples:* Whole cell lysate (10 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038 lot 3) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).

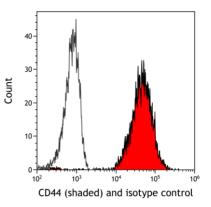


Detection of human CD44 in FFPE breast carcinoma by IHC. *Antibody:* Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038). *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.

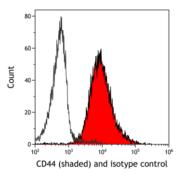
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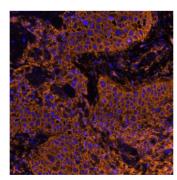
Detection of human CD44 in FFPE 786–O cells by ICC. *Antibody:* Rabbit anti–CD44 recombinant monoclonal antibody [BLR038F] (A700–038). *Secondary:* HRP– conjugated goat anti–rabbit IgG (A120–501P). *Substrate:* DAB.



Detection of human CD44 (shaded) in HeLa cells by flow cytometry. *Antibody:* Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-101D5).



Detection of mouse CD44 (shaded) in EL4 cells by flow cytometry. *Antibody:* Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-101D5).



Detection of human CD44 in FFPE head and neck squamous cell carcinoma by IHC-IF. *Antibody:* Rabbit anti-CD44 recombinant monoclonal antibody [BLR038F] (A700-038 Lot 1). *Secondary:* HRP- conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* Opal[™]. Counterstain: DAPI.

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