

CEACAM1 /5 Recombinant Monoclonal Antibody [BLR032F]

Rabbit Recombinant Monoclonal

Purified Protein ID NP_001020083.1
Catalog No. A700-032 GeneID 634
Lot No. A700-032-2



APPLICATIONS WB, IP, IHC, ICC
SPECIES REACTIVITY Human
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 # BLR032F
ORIGIN USA
PRODUCTION PROCEDURES Recombinant antibody was purified from cell culture supernatant.

Immunogen was a recombinant protein representing the extracellular domain of human CEACAM1 (residues 35–433, NP_001020083.1).

By western blot of transfected cells expressing CEACAM1 and transfected cells expressing CEACAM5, this antibody was confirmed to bind both CEACAM1 and CEACAM5.

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

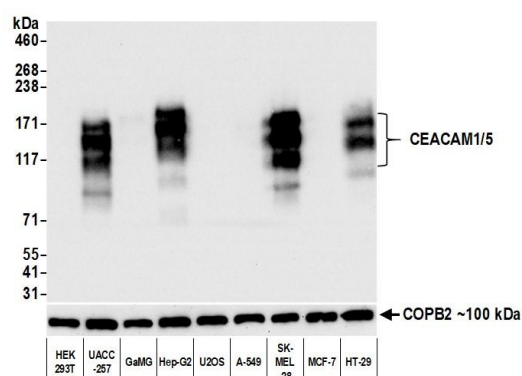
Western Blot 1:1000
Immunoprecipitation 20 µl/1 mg lysate
Immunohistochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.
Immunocytochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.

IHC HUMAN CONTROLS Colon Carcinoma, Liver Carcinoma, HT-29 Cells

ADDITIONAL INFO <https://www.bethyl.com/product/A700-032>

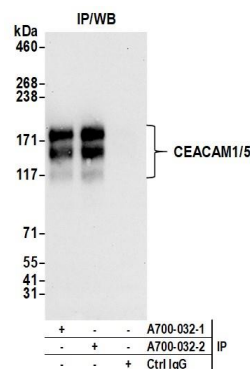
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Brian McWilliams, PhD Date: December 29, 2020



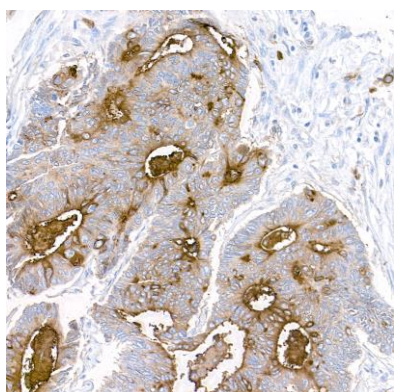
Detection of human CEACAM1/5 by western blot.

Samples: Whole cell lysate (5 μ g) from HEK293T, UACC-257, GaMG, Hep-G2, U2OS, A-549, SK-MEL-28, MCF-7, and HT-29 cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-CEACAM1/5 recombinant monoclonal antibody [BLR032F] (A700-032 lot 2) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 3 seconds.

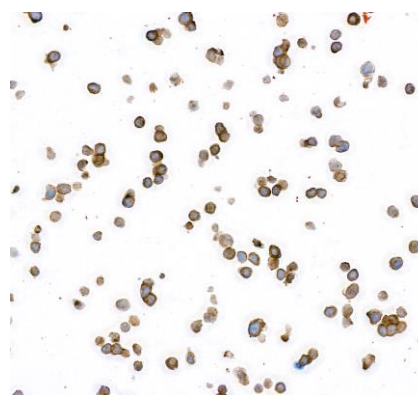


Detection of human CEACAM1/5 by western blot of immunoprecipitates.

Samples: Whole cell lysate (1.0 mg per IP reaction; 2% of IP loaded) from UACC-257 cells. **Antibodies:** Rabbit anti-CEACAM1/5 recombinant monoclonal antibody [BLR032F] (A700-032 lot 2) used for IP at 20 μ l/mg lysate. CEACAM1/5 was also immunoprecipitated by a previous lot of this antibody (A700-032-1). For blotting immunoprecipitated CEACAM1/5, A700-032 was used at 1:1000. Chemiluminescence with an exposure time of 10 seconds.



Detection of human CEACAM 1/5 in FFPE colon carcinoma by immunohistochemistry. **Antibody:** Rabbit anti-CEACAM 1/5 recombinant monoclonal antibody [BLR032F] (A700-032 lot 2). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.



Detection of human CEACAM 1/5 in FFPE HT-29 by immunocytochemistry. **Antibody:** Rabbit anti-CEACAM 1/5 recombinant monoclonal antibody [BLR032F] (A700-032 lot 2). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P). **Substrate:** DAB.