

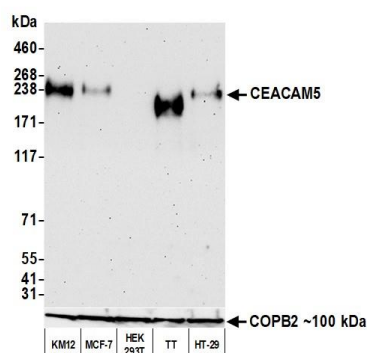
# CEACAM5 Recombinant Monoclonal Antibody [BLR198J]

Rabbit Recombinant Monoclonal

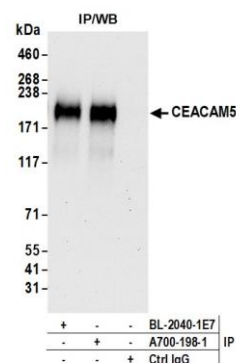
|                      |            |                |
|----------------------|------------|----------------|
| Purified             | Protein ID | NP_001278413.1 |
| Catalog No. A700-198 | GeneID     | 1048           |
| Lot No. A700-198-1   |            |                |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICATIONS          | WB, IP, IHC, ICC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CLONE #               | BLR198J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ORIGIN                | USA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PRODUCTION PROCEDURES | Recombinant antibody was purified from cell culture supernatant.<br><br>Immunogen was a recombinant protein representing the extracellular domain of human Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5, residues 35-685, NP_001278413.1)                                                                                                                                                                                                                                             |
| APPLICATIONS          | Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.<br><br>Western Blot 1:1,000<br>Immunoprecipitation 20 µl/1 mg lysate<br>Immunohistochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.<br>Immunocytochemistry 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. |
| IHC HUMAN CONTROLS    | Breast Carcinoma, Colon Carcinoma, KM12 Cells, MCF-7 Cells, TT Cells                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ADDITIONAL INFO       | <a href="https://www.bethyl.com/product/A700-198">https://www.bethyl.com/product/A700-198</a><br>Use the link above to view SDS, a current list of citations, and other product specific information.                                                                                                                                                                                                                                                                                                       |

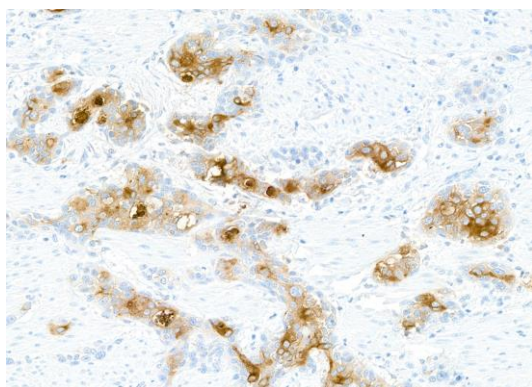
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: December 17, 2021



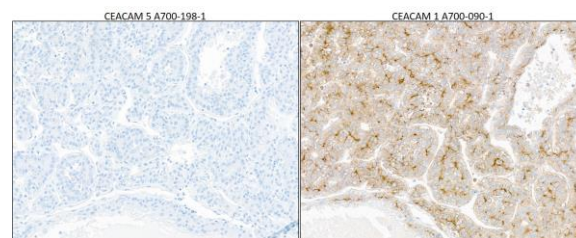
**Detection of human CEACAM5 by western blot. *Samples:*** Whole cell lysate (50 µg) from KM12 (10 µg), MCF-7, HEK293T, TT (2 µg), and HT-29 cells. ***Antibody:*** Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1) used at 1:1000. ***Secondary:*** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



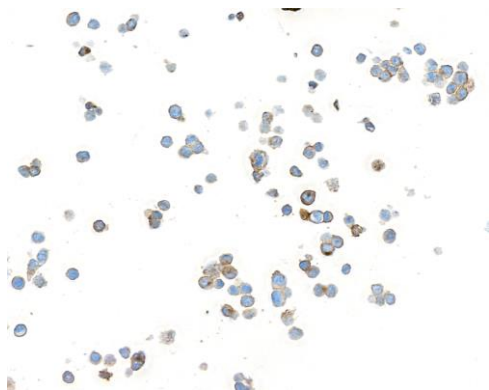
**Detection of human CEACAM5 by western blot of immunoprecipitates. *Samples:*** Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from TT cells. ***Antibodies:*** Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1) used for IP at 20 µl/mg lysate. CEACAM5 was also immunoprecipitated by a second antibody against a different epitope of CEACAM5 (BL-2040-1E7). For blotting immunoprecipitated CEACAM5, A700-198 was used at 1:1000. Chemiluminescence with an exposure time of 75 seconds.



**Detection of human CEACAM5 by immunohistochemistry. *Sample:*** FFPE section of bladder carcinoma. ***Antibody:*** Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1). ***Secondary:*** HRP-conjugated goat anti-rabbit IgG (A120-501P).

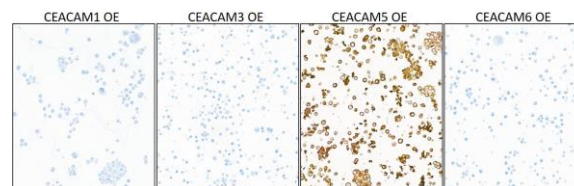


**Detection of human CEACAM5 by immunohistochemistry. *Sample:*** FFPE sections of liver carcinoma. ***Antibody:*** Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1) (left – negative) and Rabbit anti-CEACAM1 recombinant monoclonal antibody [BLR090G] (A700-090-1) (right – positive). ***Secondary:*** HRP-conjugated goat anti-rabbit IgG (A120-501P).

**Detection of human CEACAM5 by immunocytochemistry.**

*Sample:* FFPE section of KM12 (colon carcinoma) cells.

*Antibody:* Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).

**Detection of human CEACAM5 by immunocytochemistry.**

*Sample:* FFPE section of over-expressing CEACAM1, CEACAM3, CEACAM5 and CEACAM6 cells. *Antibody:* Rabbit anti-CEACAM5 recombinant monoclonal antibody [BLR198J] (A700-198 lot 1). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).