



# Mouse Anti-Human CEACAM1 monoclonal antibody, clone C4-28 (CABT-L3201)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Product Overview</b>   | This clone was raised against recombinant glycoprotein and is specific for human Carcinoembryonic Antigen Related Cell Adhesion Molecule 1 (CEACAM1). |
| <b>Specificity</b>        | Antibodies do not react with CEACAMs of other species (namely mouse, rat, cow, dog maccaca, rabbit)<br>Does not bind to the N domain of human CEACAM1 |
| <b>Target</b>             | Human CEACAM1   |
| <b>Immunogen</b>          | Recombinant glycoprotein. Hek293 produced recombinant human CEACAM1-Fc.   |
| <b>Isotype</b>            | IgG1  |
| <b>Source/Host</b>        | Mouse   |
| <b>Species Reactivity</b> | Human   |
| <b>Clone</b>              | C4-28   |
| <b>Purification</b>       | Protein G purified  |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | FC, ELISA, FuncS  |
| <b>Format</b>             | Liquid  |
| <b>Concentration</b>      | Lot specific  |
| <b>Size</b>               | 100 µg  |

|                     |  |
|---------------------|--|
| <b>Buffer</b>       | 0.1M Sodium Phosphate, pH 7.4, 0.15M NaCl  |
| <b>Preservative</b> | 0.05% Sodium Azide                         |
| <b>Storage</b>      | Long time storage is recommended at -20°C. |
| <b>Ship</b>         | Wet ice                                    |

## BACKGROUND

|                     |   |
|---------------------|---|
| <b>Introduction</b> | CEACAM1 (carcinoembryonic antigen-related cell adhesion molecule 1) is thought to be a member of the immunoglobulin superfamily and is known as an epithelial tumor suppressor and an angiogenic growth factor. It has also been linked to the actin-based cytoskeleton. In T and B cells CEACAM1 mediates co-stimulatory functions. CEACAM1 is also known as a cellular receptor for a number of human pathogenic bacteria including Neisseria, Moraxella and Helicobacter pylori. The loss of activity of CEACAM1 has been related to the development of colorectal cancer. CEACAM1 is also expressed in distinct vessel and lymph endothelial cells. |
| <b>Keywords</b>     | CEACAM1;carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein);BGP;carcinoembryonic antigen-related cell adhesion molecule 1;BGP1;CD66a;antigen CD66;CD66a antigen;BGPI   |

## GENE INFORMATION

|                 |   |
|-----------------|---|
| <b>Synonyms</b> | CEACAM1; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); BGP; carcinoembryonic antigen-related cell adhesion molecule 1; BGP1; CD66a; antigen CD66; CD66a antigen; BGPI |
|-----------------|---|