

## Rabbit anti-Human CEA Polyclonal Antibody | anti-CEACAM5 antibody

CEA Antibody (Center)

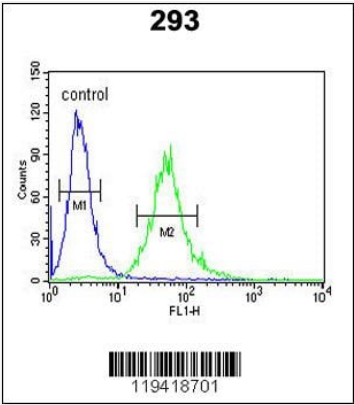
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA288258 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

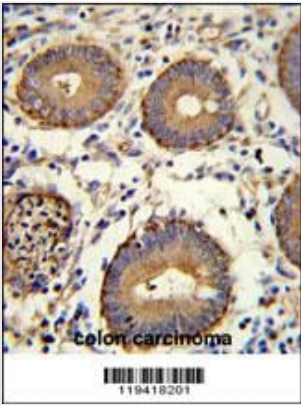
CEA; Polyclonal Antibody; CEA Antibody (Center); Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; Meconium antigen 100; CD66e; CEACAM5; anti-CEACAM5 antibody

### PRODUCT SPECIFICATIONS

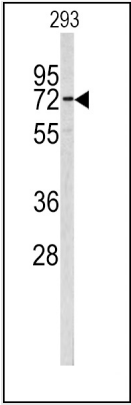
|                                                   |                                                                                                                                                                                           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                    |
| Reactivity                                        | Human                                                                                                                                                                                     |
| Clonality                                         | Polyclonal                                                                                                                                                                                |
| Isotype                                           | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                       | This CEA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from the Central region of human CEA.                           |
| Purity/Purification                               | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                       | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                     | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                                | 400-429                                                                                                                                                                                   |
| Sequence Length                                   | 702                                                                                                                                                                                       |
| Applicable Applications for anti-CEACAM5 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                           |
| Antigen Type                                      | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                    | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                           | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



**FCM/FACS (Flow Cytometry)**  
CEA Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohiostchemistry)**  
CEA Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CEA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of CEA antibody (Center) in 293 cell line lysates (35ug/lane). CEA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CEACAM5 antibody | CEA is a cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. It is a receptor for E.coli Dr adhesins. |
| Product Categories/Family for anti-CEACAM5 antibody   | Cancer; Immunology; Neuroscience; Signal transduction                                                                                          |
| References                                            | Lagoudianakis,E.E., J. Surg. Res. 155 (2), 183-190 (2009)<br>Gambichler,T., Am. J. Clin. Pathol. 131 (6), 782-787 (2009)                       |

NCBI AND UNIPROT INFORMATION

|                           |                |
|---------------------------|----------------|
| NCBI GI #                 | 98986445       |
| NCBI GeneID               | 1048           |
| NCBI Accession #          | NP_004354.2    |
| NCBI GenBank Nucleotide # | NM_004363.3    |
| UniProt Accession #       | P06731; H9KVA7 |
| Molecular Weight          | 76795          |

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI Official Full Name          | carcinoembryonic antigen-related cell adhesion molecule 5 preproprotein |
| NCBI Official Synonym Full Names | carcinoembryonic antigen-related cell adhesion molecule 5               |
| NCBI Official Symbol             | CEACAM5                                                                 |
| NCBI Official Synonym Symbols    | CEA; CD66e                                                              |
| NCBI Protein Information         | carcinoembryonic antigen-related cell adhesion molecule 5               |
| UniProt Protein Name             | Carcinoembryonic antigen-related cell adhesion molecule 5               |
| UniProt Gene Name                | <b>CEACAM5</b>                                                          |
| UniProt Synonym Gene Names       | CEA; CEA                                                                |
| UniProt Entry Name               | CEAM5_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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