

## Rabbit anti-Human, Mouse CEACAM3 Polyclonal Antibody | anti-CEACAM3 antibody

CEACAM3 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA323539 | Rabbit | Human, Mouse | ELISA, Immunohistochemistry, Western Blot |

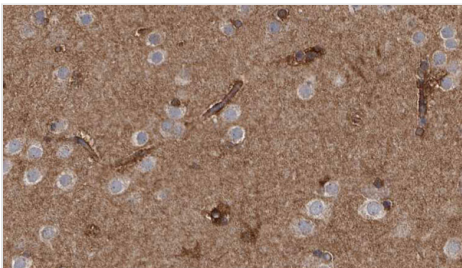
### PRODUCT SYNONYMS

CEACAM3; Polyclonal Antibody; CEACAM3 Antibody; carcinoembryonic; Carcinoembryonic antigen CGM1; Carcinoembryonic antigen gene family member 1; carcinoembryonic antigen related cell adhesion molecule 3; Carcinoembryonic antigen-related cell adhesion molecule 3; cd66 d; CD66d; CD66d antigen; CEA; CEACAM 3; CEACAM-3; Ceacam3; CEAM 3; CEAM-3; CEAM3; CEAM3\_HUMAN; CGM1; Nonspecific cross reacting antigen; W264; W282; anti-CEACAM3 antibody

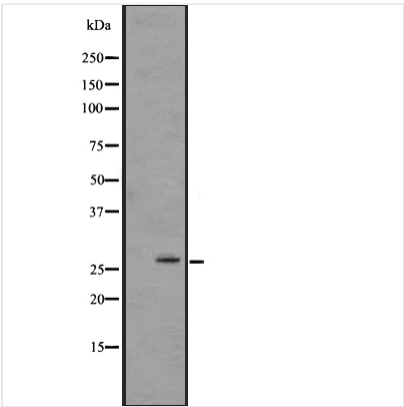
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                                                     |
| Reactivity                                        | Human, Mouse                                                                                                                                                                                                                                                                               |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                                                 |
| Isotype                                           | IgG                                                                                                                                                                                                                                                                                        |
| Specificity                                       | CEACAM3 antibody detects endogenous levels of total CEACAM3                                                                                                                                                                                                                                |
| Purity/Purification                               | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                                                                                                                                                              |
| Form/Format                                       | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                                                                              |
| Concentration                                     | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                                     |
| Sequence Length                                   | 212                                                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-CEACAM3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                       |
| Immunogen                                         | A synthesized peptide                                                                                                                                                                                                                                                                      |
| Subcellular Location                              | Membrane.                                                                                                                                                                                                                                                                                  |
| Tissue Specificity                                | CGM1a, the predominant CGM1 transcript, is granulocyte-specific. Not detected out of the granulocytic lineage, such as monocytes, lymphocytes, spleen, testis, colon, brain, liver, pancreas, thymus, ovary, placenta, skeletal muscle, prostate, small intestine, heart, lung and kidney. |
| Conjugation                                       | Unconjugated                                                                                                                                                                                                                                                                               |

IMAGES



**IHC (Immunohistochemistry)**  
AAA323539 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**WB (Western Blot)**  
Western blot analysis of CEACAM3 expression in A431 whole cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CEACAM3 antibody</b> | <p>Description: Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neissiria, Moxarella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis.</p> <p>Subunit Structure: Interacts with S100A9/calprotectin. This interaction is calcium-dependent, but independent of CEACAM3 phosphorylation.</p> <p>Post-translational Modifications: Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected.</p> <p>Similarity: The cytosolic domain is involved in S100A9 interaction. Belongs to the immunoglobulin superfamily. CEA family.</p> |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 461496471                                                           |
| NCBI GeneID                      | 1084                                                                |
| NCBI Accession #                 | NP_001264092.1                                                      |
| NCBI GenBank Nucleotide #        | NM_001277163.2                                                      |
| UniProt Accession #              | P40198; Q3KPH9; G5E978                                              |
| Molecular Weight                 | Observed: 27 kDa<br>Predicted: 28 kDa                               |
| NCBI Official Full Name          | carcinoembryonic antigen-related cell adhesion molecule 3 isoform 2 |
| NCBI Official Synonym Full Names | carcinoembryonic antigen related cell adhesion molecule 3           |
| NCBI Official Symbol             | CEACAM3                                                             |
| NCBI Official Synonym Symbols    | CEA; CGM1; W264; W282; CD66D                                        |
| NCBI Protein Information         | carcinoembryonic antigen-related cell adhesion molecule 3           |
| UniProt Protein Name             | Carcinoembryonic antigen-related cell adhesion molecule 3           |
| UniProt Gene Name                | CEACAM3                                                             |
| UniProt Synonym Gene Names       | CD66D; CGM1                                                         |

**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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ceacam3-antibody-immunohistochemistry-western-blot-elisa/323539>