

# Product Datasheet

## **CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free NBP2-47972-0.1mg**

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-47972-0.1mg**

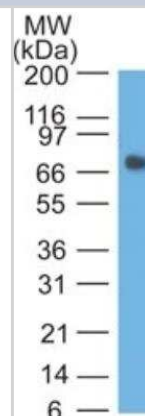
CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 mg   |
| Concentration               | 1.0 mg/ml  |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | COL-1  |
| Preservative                | No Preservative  |
| Isotype                     | IgG2a Kappa  |
| Purity                      | Protein A or G purified  |
| Buffer                      | 10 mM PBS  |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 634  |
| Gene Symbol                 | CEACAM1  |
| Species                     | Human  |
| Specificity/Sensitivity     | This antibody recognizes proteins of 80-200kDa, identified as different members of CEACAM family. This MAb does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEACAM is not found in benign glands, stroma, or malignant prostatic cells |
| Immunogen                   | Colon carcinoma cell extract was used as the immunogen for the CEACAM1 antibody.   |
| Product Application Details |  |
| Applications                | Western Blot, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence   |
| Recommended Dilutions       | Western Blot 0.5 - 1.0 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Flow (Intracellular), Immunofluorescence 1 - 2 ug/ml, CyTOF-ready  |
| Application Notes           | Hu-chromosome location: 19q13.1-19q13.2 Molecular weight of antigen: 80-200kDa Immunohistochemistry-Paraffin 0.5 - 1 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes.   |

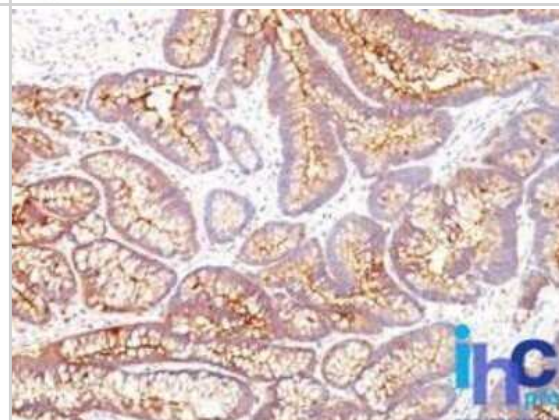


## Images

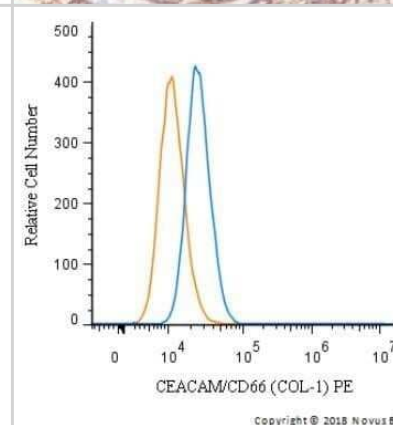
Western Blot: CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free [NBP2-47972] - Human Stomach lysate using CEA Mouse Monoclonal Antibody (COL-1).



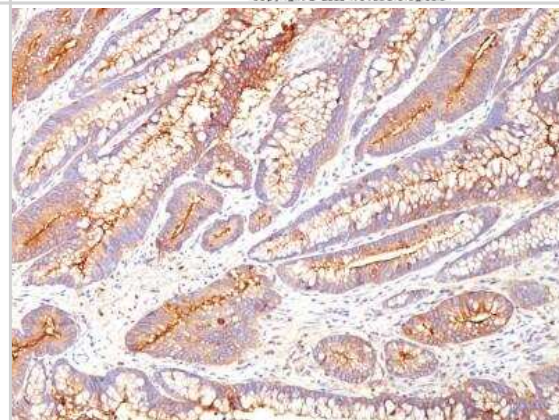
Immunohistochemistry-Paraffin: CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free [NBP2-47972] - Formalin-fixed, paraffin-embedded normal human colon stained with CEA COL-1 antibody at 1:200 using peroxidase-conjugate and DAB chromogen.



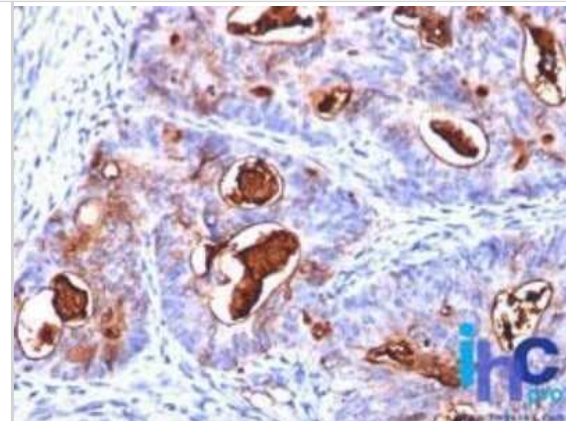
Flow (Intracellular): CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free [NBP2-47972] - An intracellular stain was performed on A549 cells with CEACAM/CD66 Antibody (COL-1) NBP2-33306PE (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to phycoerythrin. Image using the Azide and BSA Free format of this antibody.



Immunohistochemistry-Paraffin: CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free [NBP2-47972] - Human Colon Carcinoma stained with CEA Mouse Monoclonal Antibody (COL-1).



Immunohistochemistry-Paraffin: CEACAM/CD66 Antibody (COL-1) - Azide and BSA Free [NBP2-47972] - Formalin-fixed, paraffin-embedded human colon cancer stained with CEA COL-1 antibody at 1:200 using peroxidase-conjugate and DAB chromogen.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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