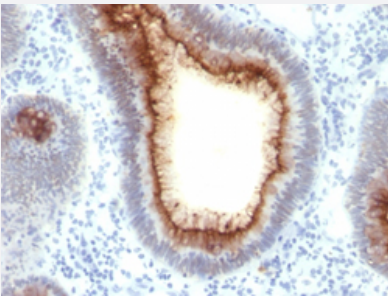


# CEA monoclonal antibody, clone C66/1009

Catalog # MAB13258      Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with CEA monoclonal antibody, clone C66/1009 (Cat # MAB13258).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant human Carcinoembryonic Antigen (CEA).
<b>Immunogen</b>	Recombinant protein corresponding to full length human Carcinoembryonic Antigen.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	80-200
<b>Reactivity</b>	Human
<b>Specificity</b>	This monoclonal antibody 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.
<b>Form</b>	Liquid
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG2a, kappa

**Recommend Usage**

Flow Cytometry (0.5-1 ug/10<sup>6</sup> cells in 0.1 mL)  
Immunofluorescence (1-2 ug/mL)  
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer**

In 10 mM PBS.

**Storage Instruction**

Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with CEA monoclonal antibody, clone C66/1009 (Cat # MAB13258).

- Immunofluorescence

- Flow Cytometry

## Gene Info — CEACAM1

**Entrez GeneID**

[634](#)

**Gene Name**

CEACAM1

**Gene Alias**

BGP, BGP1, BGPI

**Gene Description**

carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)

**Omim ID**

[109770](#)

**Gene Ontology**

[Hyperlink](#)

## Gene Summary

This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of only two has been determined. [provided by RefSeq]

## Other Designations

CD66a antigen|antigen CD66|biliary glycoprotein adhesion molecule|carcinoembryonic antigen-related cell adhesion molecule 1

## Gene Info — CEACAM5

### Entrez GeneID

[1048](#)

### Gene Name

CEACAM5

### Gene Alias

CD66e, CEA, DKFZp781M2392

### Gene Description

carcinoembryonic antigen-related cell adhesion molecule 5

### Omim ID

[114890](#)

### Gene Ontology

[Hyperlink](#)

### Other Designations

-

## Disease

- [Body Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Meningococcal Infections](#)
- [Metabolic Syndrome X](#)
- [Osteoporosis](#)