

# Product Information

## Recombinant Anti-Human CEACAM1 Antibody Fab Fragment

Cat. No.: **MOM-18014-F(E)**

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

### Product Overview

Recombinant Mouse Antibody Fab Fragment is bind to Human CEA, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Carcinoembryonic antigen (CEA) is a glycoprotein involved in cell adhesion. It is normally produced in gastrointestinal tissue during fetal development, but the production of CEA stops before birth. Therefore, it is usually present only at very low levels in the blood of healthy adults. However, the serum levels are raised in some types of cancer, which means that it can be used as a tumor marker in clinical tests. Serum levels can also be elevated in heavy smokers. CEA is a glycosyl phosphatidyl inositol (GPI) cell surface anchored glycoprotein whose specialized sialofucosylated glycoforms serve as functional colon carcinoma L-selectin and E-selectin ligands, which may be critical to the metastatic dissemination of colon carcinoma cells.

### Specific Activity

Tested positive against native antigen.

### Target

CEA

### Immunogen

Full length native protein (CEA).

### Source

Mouse

### Species Reactivity

Human

### Type

Fab Fragment based on Mouse Fab' - G1

### Expression Host

CHO

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

[CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 \(biliary glycoprotein\) \[ Homo sapiens \]](#)

### Official Symbol

CEACAM1

### Synonyms

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 ID

[634](#)

### mRNA Refseq

[NM\\_001024912](#)

### Protein Refseq

[NP\\_001020083](#)

### MIM

[109770](#)

### UniProt ID

P13688

### Chromosome Location

19q13.2

### Pathway

EGFR1 Signaling Pathway, organism-specific biosystem;

### Function

molecular\_function; protein binding;