

# CEA (carcinoembryonic antigen) recombinant protein

CatalogNo: YD3023

## Key Features

### Reactivity

- Human,

## Recommended Dilution Ratios

## Storage

**Storage\*** -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

**Formulation** Phosphate-buffered solution

## Basic Information

**Source** Mammalian cells

**Purification** Mammalian cells

**Purity** >90% as determined by SDS-PAGE

## Immunogen Information

**Sequence** Amino acid:35-314,with human FC tag.

## Target Information

**Gene name** CEACAM5

<b>Protein Name</b>	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">1048;</a>	<a href="#">P06731;</a>
<b>Cellular Localization</b>	Cell membrane ; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Note=Localized to the apical glycocalyx surface. .		
<b>Tissue specificity</b>	Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.		
<b>Function</b>	Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:10864933, PubMed:10910050, PubMed:2803308). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:2803308). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:10910050).; (Microbial infection) Receptor for E.coli Dr adhesins. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.		

## Validation Data

## Contact information

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Please scan the QR code to access additional product information:  
**CEA**  
**(carcinoembryonic antigen)**  
**recombinant protein**

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