

CEA (carcinoembryonic antigen) recombinant protein

CatalogNo: YD3023

Key Features

Reactivity

- Human

Storage

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

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

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

Protein Name Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)

Organism	Gene ID	UniProt ID
Human	1048 ;	P06731 ;

Cellular Localization Cell membrane ; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Note=Localized to the apical glycocalyx surface. .

Tissue specificity 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.

Function 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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CEA
(carcinoembryonic antigen)
recombinant protein

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