

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

Squence 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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Antibody | ELISA Kits | Protein | Reagents