

CEA (carcinoembryonic antigen)-FC recombinant protein

Catalog No :	YD3023
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	CEACAM5
Protein Name :	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)
Sequence :	Amino acid:35-314,with FC tag.
Human Gene Id :	1048
Human Swiss Prot No :	P06731
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
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.
Subcellular Location :	Cell membrane ; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Note=Localized to the apical glycocalyx surface. .
Expression :	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.

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