

# Human Carcinoembryonic Antigen

02/21

<b>CATALOG NO:</b>	P1712-100 100 µg
<b>ALTERNATE NAMES:</b>	CEA Cell Adhesion Molecule 5; Carcinoembryonic antigen-related cell adhesion molecule 5; Meconium antigen 100; CD66e; CEA; carcinoembryonic antigen; CD66e antigen; CEACAM5
<b>MOL. WT.</b>	77 kDa predicted; 180 kDa observed (due to extensive glycosylation)
<b>NCBI GENE ID:</b>	1048
<b>ACCESSION NO.:</b>	P06731
<b>PURITY:</b>	≥ 95% by SDS-PAGE
<b>CONTAMINANTS:</b>	<1% CA 19-9, CA 125, CA 15-3
<b>SOURCE:</b>	Human liver metastases
<b>AMINO ACID SEQUENCE:</b>	Full length native protein
<b>FORM:</b>	Lyophilized powder
<b>FORMULATION:</b>	Lyophilized from 50 mM ammonium bicarbonate
<b>RECONSTITUTION:</b>	Reconstitute using neutral pH buffer of choice
<b>SPECIFIC ACTIVITY:</b>	Activity verified by Accubind ELISA.
<b>STORAGE CONDITIONS:</b>	Store at -20 °C. Avoid repeated freeze-thaw cycles.
<b>DESCRIPTION:</b>	The carcinoembryonic antigen (CEA) protein is a cell surface glycoprotein. CEA plays a role as an oncogene by promoting tumor progression through its modulation of cell adhesion and intracellular signaling, and inducing resistance to anoikis of colorectal carcinoma cells. CEA is therefore useful as a clinical biomarker for gastrointestinal cancers.
<b>INFECTIOUS DISEASE TESTING:</b>	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, HCV, syphilis, and HIV-1 antigen by current FDA approved methods.

**RELATED PRODUCTS:**

Carcinoembryonic Antigen (CEA) (Human) ELISA Kit (Cat. No. E4740)  
Anti-Carcinoembryonic Antigen Antibody (C66/1260) (Cat. No. A1464)  
Human CellExp™ CEACAM6/CD66c, Human Recombinant (Cat. No. 7837)  
Human CellExp™ CEACAM1/CD66a, Extracellular Domain (ED), Human Recombinant (Cat. No. P1245)  
Anti-Carcinoembryonic Antigen (Arcitumomab), Human IgG1 Antibody (Cat. No. A1096)

***FOR RESEARCH USE ONLY! Not to be used on humans.***