

Datasheet for ABIN934752

**CEA Protein****1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CEA
Origin:	Human
Source:	Human
Protein Type:	Native
Application:	Control Peptide (CP)

## Product Details

Characteristics:	Highly purified Human CEA protein Protein Source: Human colon adenocarcinoma cell line
Purity:	Highly pure

## Target Details

Target:	CEA
Alternative Name:	CEA ( <a href="#">CEA Products</a> )

**Background:** Carcinoembryonic antigen (CEA) is a glycoprotein involved in cell adhesion. It is normally produced during fetal development, but the production of CEA stops before birth. Therefore, it is not usually present in the blood of healthy adults, although levels are raised in heavy smokers. CEA is a glycosyl phosphatidyl inositol (GPI)-cell surface anchored glycoprotein whose specialized sialofucosylated glycoforms serve as functional colon carcinoma L-selectin and E-selectin ligands, which may be critical to the metastatic dissemination of colon carcinoma cells.

## Target Details

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Description: Human colon adenocarcinoma cell line.

Alternative Names: Carcinoembryonic antigen protein

## Application Details

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Application Notes: This highly purified product can be used as an immunogen or for labeling and standards, calibrators but is primarily used for multiple analyte controls.

Restrictions: For Research Use only

## Handling

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Buffer: PBS pH 7.4, with 0.1 % NaN<sub>3</sub>.

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.

## Publications

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Product cited in: Lima, Jenkins, Guerrero, Triozzi, Shaw, Strong: "A DNA vaccine encoding genetic fusions of carcinoembryonic antigen (CEA) and granulocyte/macrophage colony-stimulating factor (GM-CSF)." in: **Vaccine**, Vol. 23, Issue 10, pp. 1273-83, (2005) ([PubMed](#)).