

Datasheet for ABIN620344 **CEA Protein (full length)**

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Overview

Quantity:	10 µg
Target:	CEA
Protein Characteristics:	full length
Origin:	Human
Host:	Please inquire
Protein Type:	Recombinant

Product Details

Characteristics:	Recombinant Human Carcinoembryonic Antigen
Purity:	> 90.0 % as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Sterility:	Sterile

Target Details

Target:	CEA
Alternative Name:	Carcinoembryonic Antigen (CEA Products)
Background:	<p>CEA Human Recombinant is glycosylated with N-linked sugars and produced using baculovirus vectors in insect cells. CEA is a well-known tumor marker corresponding to the full length human CEA which is approximately 120,000 dalton. Introduction: Carcinoembryonic antigen (CEA) is a glycoprotein present in fetal digestive-tract tissues, its involved in cell adhesion. The production of CEA stops before birth. CEA is called tumor marker since its elevated levels are found in the serum from individuals with colorectal, gastric, pancreatic, lung and breast</p>

Target Details

carcinomas and in heavy smokers. There are also benign conditions that elevate CEA levels such as smoking, infection, inflammatory bowel disease, pancreatitis, cirrhosis of the liver, and some benign tumors (in the equivalent organs which have cancers with elevated CEA). Typically, higher levels of CEA are found in men, smokers, and older individuals. The presence of CEA assists in screening, in evaluating recurrent or disseminated disease, and in determining the success of surgical removal of malignant tumors. CEA levels can be used as indicators of treatment success. The normal values range from 0.0 to 2.5 ng/ml of serum (from blood), in non-smokers, a greater amount than that may be suggestive of cancer. Levels above 20 ng/ml before treatment are associated with cancer which has already metastasized. Benign conditions do not usually cause a CEA increase over 10 ng/ml. The high levels of CEA should return to normal after successful therapy, however if during follow up there is an elevation in CEA levels it indicates a recurrence of tumor. Carcinoembryonic antigen family belongs to the immunoglobulin superfamily, it consists of 29 genes, 18 of which are normally expressed. Synonyms: Carcinoembryonic Antigen, CEA, oncofetal antigen.

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The sterile protein solution contains 10mM NaH₂PO₄, pH 7 and 150mM NaCl.

Storage: -20 °C