Datasheet for ABIN2128486

# CEA Protein

3 Publications

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## Overview

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| Quantity: | 100 µg |
| Target: | CEA |
| Origin: | Human |
| Source: | Human |
| Protein Type: | Native |

## Product Details

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| Characteristics: | Purified native Human CEA protein<br>Protein Source: Purified human colon carcinoma |
| Purification: | Immunoaffinity column |
| Purity: | > 80 % pure |

## Target Details

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| Target: | CEA |
| Alternative Name: | CEA (CEA Products) |
| 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: Purified human colon carcinoma.<br>Alternative Names: Carcinoembryonic Antigen protein |

## Application Details

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| Application Notes: | Each Investigator should determine their own optimal working dilution for specific applications. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | Supplied as a liquid in 10 mM PBS, pH 7.5, with 0.1 % 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: | -20 °C |
| Storage Comment: | Aliquot and store at -20 °C. |

## Publications

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| Product cited in: | Seifert, Kontermann: "GlycoTAIL and FlexiTAIL as Half-Life Extension Modules for Recombinant Antibody Fragments." in: **Molecules (Basel, Switzerland)**, Vol. 27, Issue 10, (2022) (PubMed).<br><br>Martínez-Mancera, García-López, Hernández-López: "Pre-clinical validation study of a miniaturized electrochemical immunoassay based on square wave voltammetry for early detection of carcinoembryonic antigen in human serum." in: **Clinica chimica acta; international journal of clinical chemistry**, Vol. 444, pp. 199-205, (2015) (PubMed).<br><br>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). |

 