

## Native Human Carcinoembryonic Antigen, High Purity

<b>Catalog No.</b>	CS071A	<b>Quantity:</b>	100 µg
	CS071B		1.0 mg

**Alternate Names:** CEA

**Description:** Carcinoembryonic antigen describes a set of highly related glycoproteins involved in cell adhesion. CEA is normally produced in gastrointestinal tissue during fetal development, but the production stops before birth. Consequently, CEA is usually present at very low levels in the blood of healthy adults. However, the serum levels are raised in some types of cancer, which means that it can be used as a tumor marker in clinical tests. Immunologically they are characterized as members of the CD66 cluster of differentiation.

**Activity:** ≥ 1 mg/ml by ELISA

**Source:** Human Liver

**Purity:** ≥ 95 % by SDS-PAGE

**Molecular Weight:** Approximately 180kDa

**Formulation:** Lyophilized from 50 mM Ammonium Bicarbonate.

**Reconstitution:** Reconstitute using neutral pH buffer of choice. Avoid extreme pH.

**Storage & Stability:** 2-8°C for short term storage. Store as supplied for up to 1 year at -20°C to -80°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C.  
**Avoid repeated freeze/thaw cycles.**

**Certification:** Serum from donors has been tested and found to be negative for HIV-1/HIV-2, Hepatitis B Core Antigen, Hepatitis B Surface Antigen, Hepatitis C Virus and Syphilis by current FDA approved methods. However, because no test method can offer complete assurance that HIV, HBsAg, HCV, Syphilis or other infectious agents are absent, this material should be handled at the Bio-safety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

