

Recombinant Human Carcinoembryonic Antigen (CEA)

Certificate of Analysis and Data Sheet

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| ➤ Source: Insect Cells | ➤ Catalog No. PRO-287 |
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➤ **Description :**

Recombinant Human Carcinoembryonic Antigen is glycosylated with N-linked sugars and produced using baculovirus vectors in insect cells. rHuCEA is a well known tumor marker corresponding to the full length human CEA which is approximately 120,000 dalton.

Human Carcinoembryonic Antigen is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

➤ **Formulation:**

Human Carcinoembryonic Antigen was lyophilized with (0.1mg/ml) sterile solution containing 10mM NaH₂PO₄, pH 7 and 150mM NaCl.

➤ **Solubility:**

It is recommended to reconstitute the lyophilized Human CEA in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

➤ **Stability:**

Lyophilized Human CEA although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. Upon reconstitution Human CEA should be stored at 4 C between 2-7 days and for future use below -18 C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Anion-exchange FPLC.
- (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Human CEA.

➤ **Usage:**

This material is offered hnoGene for research, laboratory or further evaluation purposes.