



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet Mouse Anti Carcinoembryonic Antigen (CEA)

**Catalog No.**  
MD-14-0828

**Istotype**  
IgG<sub>1</sub>, kappa

## Description

Monoclonal Antibody to Human Carcinoembryonic Antigen (CEA)

## Preparation

**Host Animal:** Mouse

**Purification:** >90% pure (SDS-PAGE). Protein A chromatography. Product is 0.2µm filtered.

**Immunogen:** CEA prepared from human colonic adenocarcinoma

## Specificity

Reacts with carcinomas arising from the gastrointestinal site such as colon, stomach and small intestine. Reactivity may also be found in some breast, lung, or ovarian epithelial tumors. CEA is a tumor associated, complex glycoprotein with a molecular weight of 180 kDa.

## Formulation

**Format:** Purified, Liquid

**Concentration:** 5.63mg/ml (OD<sub>280nm</sub>, E<sup>0.1%</sup> = 1.4)

**Buffer:** 10mM Phosphate, pH 7.4 containing 150mM Sodium chloride

**Preservatives:** 0.05% Sodium Azide

**Source:** Ascites

## Applications

Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

## Storage

Short term (up to 7 days) store at 2-8°C. Long term, aliquot and store at -20°C.

**Avoid multiple freeze/thaw cycles.**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**