Datasheet for ABIN969047
anti-CEA antibody

Overview

Quantity: 100 μL
Target: CEA
Reactivity: Human
Host: Mouse
Clonality: Monoclonal
Application: Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen: Purified recombinant fragment of human CEA expressed in E. coli.
Clone: 1C7
Isotype: IgG1
Purification: purified

Target Details

Target: CEA
Alternative Name: CEA (CEA Products)
Background: Description: Carcino Embryonic Antigen (CEA) is synthesised during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibodies to CEA are useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60 to 70 % are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). The carcinoembryonic antigen (CEA) is a
### Target Details

A member of a large family of glycoproteins and a useful tumor marker for adenocarcinoma. Tissue specificity: Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

**Aliases:** CEA, CD66e, DKFZp781M2392, CEACAM5

<table>
<thead>
<tr>
<th><strong>Molecular Weight:</strong></th>
<th>77 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gene ID:</strong></td>
<td>1048</td>
</tr>
<tr>
<td><strong>HGNC:</strong></td>
<td>1048</td>
</tr>
</tbody>
</table>

### Application Details

**Application Notes:**
- ELISA: 1:10000
- WB: 1:500 - 1:2000
- IHC: 1:200 - 1:1000

**Restrictions:** For Research Use only

### Handling

**Format:** Liquid

**Buffer:** Ascitic fluid containing 0.03 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:**
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C/-20 °C

**Storage Comment:** 4°C, -20°C for long term storage

### Publications

**Product cited in:**

**Immunohistochemistry**

**Image 1.** Immunohistochemical analysis of paraffin-embedded rectum cancer tissues (left) and stomach cancer tissues (right) using CEA mouse mAb with DAB staining.

**Western Blotting**

**Image 2.** Western blot analysis using CEA mAb against HEK293 (1) and CEA(AA: 460-600)-hIgGFc transfected HEK293 (2) cell lysate.

**ELISA**

**Image 3.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),