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# 12-1090: Anti-Carcinoembryonic Antigen (CEA) / CD66 Recombinant Rabbit Monoclonal Antibody (Clone:C66/2055R)

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | C66/2055R |
| **Application :** | IHC |
| **Reactivity :** | Human |
| **Gene :** | CEACAM1 & CEACAM5 |
| **Gene ID :** | 1048 & 634 |
| **Uniprot ID :** | P06731 |
| **Format :** | Purified |
| **Alternative Name :** | Carcinoembryonic Antigen-related Cell Adhesion Molecule 5, CEACAM5, CD66, Biliary Glycoprotein (BGP-1) |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Recombinant full-length human CEA protein |

## Description

This antibody recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This MAb does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. Antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). Anti-CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbadder, urachus, salivary gland, ovary, and endocervix.

## Product Info

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| **Amount :** | 20 µg / 100 µg |
| **Purification :** | Protein A/G |
| **Content :** | 200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Storage condition :** | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

## Application Note

Immunohistochemistry (Formalin-fixed) (1-2µg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),

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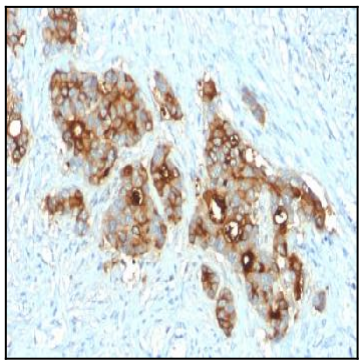

Figure 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CEA Rabbit Recombinant Monoclonal Antibody (C66/2055R).

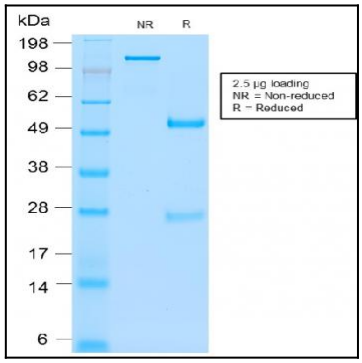


Figure 2: SDS-PAGE Analysis Purified CEA Rabbit Recombinant Monoclonal Antibody (C66/2055R).

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