### Overview

- **Quantity:** 1 mL
- **Target:** CEA
- **Reactivity:** Human
- **Host:** Rabbit
- **Antibody Type:** Recombinant Antibody
- **Clonality:** Monoclonal
- **Conjugate:** This CEA antibody is un-conjugated
- **Application:** Immunohistochemistry (IHC)

### Product Details

- **Immunogen:** Recombinant full-length human CEA protein
- **Clone:** MSVA-465R
- **Isotype:** IgG

### Target Details

- **Target:** CEA
- **Alternative Name:** CEA ([CEA Products](https://www.ceaproducts.com))
- **Background:** Carcinoembryonic Antigen-related Cell Adhesion Molecule 5, CEACAM5, CD66, Biliary Glycoprotein (BGP-1), CEA antibody validated for immunohistochemistry on 76 different Normal Tissues
**Target Details**

| UniProt  | P06731 |

**Application Details**

| Application Notes  | IHC 1:100-1:200 |
| Comment            | Positive Control: Colon: An at least moderate cytoplasmic CEA staining should be seen in the vast majority of columnar epithelial cells. Negative Control: Colon: CEA staining should not be seen in stromal cells or smooth muscle. |
| Protocol           | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121 °C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37 °C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer’s directions. |
| Restrictions       | For Research Use only |

**Handling**

| Format  | Liquid |
| Storage | 4 °C,-20 °C,-80 °C |
| Storage Comment | 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. |

**Images**

**Immunohistochemistry**

**Image 1.** Colorectal adenocarcinoma showing strong CEA immunostaining in tumor cells
**Immunohistochemistry**

**Image 2.** Moderate to strong CEA immunostaining in the epithelial cells of the colon. Inflammatory and smooth muscle cells remain negative.

**Immunohistochemistry**

**Image 3.** Strong CEA immunostaining of the superficial layers of the squamous epithelium of the tonsil surface. The basal epithelial cell layers and inflammatory cells are CEA negative.