

**CEA (Carcinoembryonic Antigen) / CD66e Ab-2**

Catalog # RB-368-A0, -A1, or -A (0.1ml, 0.5ml, or 1.0ml)

Catalog # RB-368-R7 (7.0ml)

Catalog # RB-368-PCS

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** carcinoembryonic antigen (CEA), is synthesized during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibody to CEA is reportedly useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+).
- **Expected Staining Pattern:** Cytoplasmic and luminal membrane
- **Positive Control:** LS174T cells or colon CA

**MATERIALS PROVIDED:**

**CEA (Carcinoembryonic Antigen) / CD66e Ab-2 (refer to catalog number):**

- #RB-368-A, (or -A0, -A1) Unspecified amount of purified immunoglobulins, concentrated, in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #RB-368-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- or
- #RB-368-PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Rabbit
- **Mol. Wt. of Antigen:** 180kDa
- **Species Reactivity:** Human and Mouse. Weakly reacts with Rat. Does not react with dog. Others-not known.
- **Clone Designation:** Polyclonal
- **Ig Isotype / Light Chain:** IgG
- **Immunogen:** Human CEA isolated from hepatic metastasis of colon adenocarcinoma.
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

**METHODS AND PROCEDURES:**

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:500-1:1000 in antibody diluent
<b>Tissue Section Pretreatment</b>	No special pretreatment is required for the immuno-histochemical staining of formalin/paraffin tissues.
<b>Primary Antibody Incubation Time</b>	30 mins at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**STORAGE and STABILITY:**

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

**REFERENCES:**

- 1) Nap M; Wilhelm WW. Int J Biol Markers, 1992, 7(3):148-53.

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- 2) Bergeron A; et al. Cancer Res, 1996, 56:908-15.
- 3) Lee JS; et al. Acta Cytologica, 1996, 40: 631-6.