# CEA
**Catalog # 10116.05 or .10 (0.5 ml or 1.0 ml concentrated)**
**Catalog # 10116.50 (5.0 ml ready to use)**

## INTENDED USE

- *In Vitro:* This product is intended for qualitative immunohistochemistry with normal and neoplastic, formalin-fixed, paraffin embedded tissue sections, to be viewed by light microscopy. This antibody was tested both with manual application and the most popular automated immunostainers.
- *Description:* Carcinoembryonic Antigen (CEA, CD66e) family glycoproteins are present in epithelial cells and tumors (both benign and malignant) of various types (gastrointestinal, bronchial mucosa, breast, pancreas, biliary duct).
- *Expected Staining Pattern:* Cytoplasmic
- *Positive Control:* Colon carcinoma

## MATERIALS PROVIDED

- *CEA specific mouse monoclonal antibody:* #10116, tissue culture supernatant, concentrated, with 0.09% sodium azide.
- *Host:* Mouse
- *Epitope:* Not determined.
- *Species Reactivity:* Human
- *Clone:* Col-1
- *Ig Isotype / Light Chain:* IgG2a / Kappa
- *Immunogen:* Human colon carcinoma extract.
- *Sterility:* This product is not sterile.

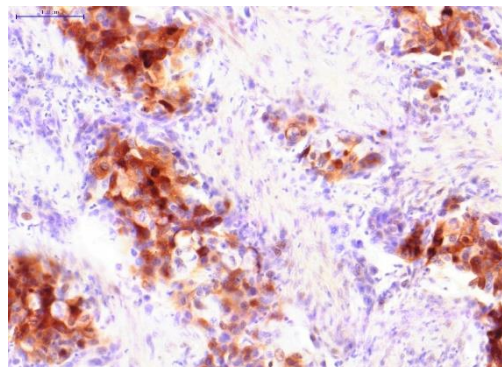## MATERIALS REQUIRED, BUT NOT PROVIDED

- Detection system
- Chromogen/substrate system

## METHODS AND PROCEDURES

- *Tissue Section Pretreatment:* Staining of formalin-fixed tissue sections requires treating in boiling 10mM citrate buffer, pH 6.0 for 10-20 minutes.
- *Recommended Pretreatment:*
  HISTOLS®-Citrate Buffer (cat#30010)
  HISTOLS®-Peroxidase Blocking Solution (cat# 30013).
  HISTOLS®-BBPS (Background Blocking Protein Solution) (cat# 30012).
- *Dilution of Concentrated Antibody:* 1:100 in antibody diluent (for informational purposes only), exact dilution must be determined by user.
- *Primary Antibody Incubation Time:* 60 minutes at RT.
- *Recommended Detection System:* HISTOLS®-MR (anti- mouse & rabbit Ig) (cat# 30011)
- *Visualization:* To detect antibody binding sites, follow the instructions provided with the chromogen/substrate system.

## STORAGE AND STABILITY

This product contains sodium azide and is stable 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.



**For Research Use Only**