Carcinoembryonic Antigen (CEA)

Mouse Monoclonal Antibody

【Catalog Number】

REF 0194

【Package Size】

Ready to use: ☐1mL ☐2mL ☐3mL ☐5mL ☐6mL

Concentrated: ☐0.1mL ☐0.2 mL ☐0.5mL ☐1.0mL

【Intended Use】

Mouse Monoclonal anti-Carcinoembryonic Antigen (CEA) antibody is intended for use to qualitatively identify CEA antigen by light microscopy in sections of formalin-fixed, paraffin-embedded tissue using IHC detection methodology.

This antibody is for research use only (RUO).

【Specimen Collection and Preparation for Analysis】

Formalin-fixed, paraffin-embedded tissues.

Each section should be cut to the appropriate thickness (2-5 μm) for the primary antibody being used and placed on a positively charged glass microscope slide.

【Storage and Handling】

Store at 2-8°C. Do not freeze.

Do not use product beyond the expiration date for the storage method.

【Reagents Provided】

Clone: COL-1

Buffer: 10mM pH 7.4 Phosphate Puffer Saline (PBS).

Stabilizer: 0.05% bovine serum (BSA).

Preservative: 0.05% sodium azide (NaN_3).

Ready-to-use antibody concentration: 2-5μg/mL.

Concentrated antibody concentration: 50-200μg/mL.

【Staining Procedure】

1. Deparaffinized slides in 3 changes of xylene (or Dewax solution), 10 minutes each. and hydrate through a graded series alcohols .
2. Wash the section in 90%, 80% and 70% ethyl alcohol for 10 minutes each.
3. Rinse in distilled water, 2 x 5 minutes.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
5. Wash in distilled water, 2 x 5 minutes.
6. Antigen retrieval: Place slides in a pressure cooker filled with Epitope Retrieval Solution (Citrate, pH 6.0) buffer.
7. Wash in PBS 2 x 5 minutes.
8. Concentrated Antibody Dilution
   Suggested Dilution: 1:50-1:100
   The optimal dilution for a specific application under a given set of experimental conditions should be determined by the investigator.
9. Add 100μL primary antibody, Incubate for 30 minutes . Wash in PBS 2 x 5 minutes.
10. Add 100μL secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol. Wash in PBS 2 x 5 minutes.
11. Add 100μL DAB solution (the protocol depends on the supplier), Incubate for 2-10 minutes. Wash in PBS 2 x 5 minutes.
12. Counterstain with hematoxylin. Rinse with deionized water.

【Contact Information】

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