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Carcinoembryonic Antigen Monoclonal Antibody

Cat #: ABM40061 Size: 30μl /100μl /200μl

Product Information

	Product Name: Carcinoembryonic Antigen Monoclonal Antibody		
	Applications: IHC-P, IF		**Isotype:** Mouse IgG1
	Reactivity: Human		
REF	**Catalog Number:** ABM40061	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	**Storage:** Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: CEACAM5 encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins.carcinoembryonic antigen related cell adhesion molecule 5 is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, carcinoembryonic antigen related cell adhesion molecule 5 may regulate differentiation, apoptosis, and cell polarity. CEACAM5 is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IHC-P (1:200).

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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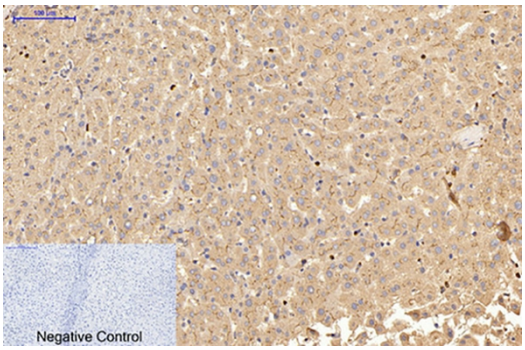
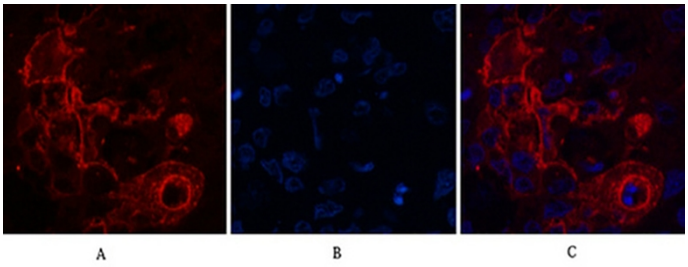
	Fig.1. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, secondary antib
	Fig.2. Immunofluorescence analysis of human lung cancer tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

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