

Carcinoembryonic Antigen Monoclonal Antibody(10E1)

Description

Product type	Primary Antibody
Code	BT-MCA0256
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Carcinoembryonic Antigen
Mol wt	76796
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC-P, IF, ICC
Concentration	1 mg/ml
Full name	Carcinoembryonic antigen-related cell adhesion molecule 5
Synonyms	CEACAM5; CEA; Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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

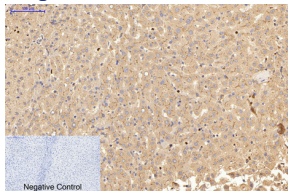
Recommended Dilution

IF: 1:50-200

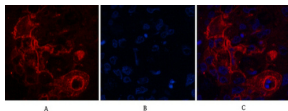
WB: 500-2000 1:200

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1.Carcinoembryonic Antigen Monoclonal antibody(10E1) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-lung-cancer tissue. 1.Carcinoembryonic Antigen Monoclonal antibody(10E1)(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

Storage

-20°C for one year

