

Mouse Anti-CEA/CD66 [CEA31]: MC0523, MC0523RTU7

Intended Use: For Research Use Only

Description: Carcinoembryonic Antigen (CEA), also known as CD66e, is a cell surface glycoprotein that exhibits several functions, including regulation of intercellular adhesion, differentiation and anoikis, cell polarization and tissue architecture. CEA is present in fetal colon and many types of epithelial tumors, including adenocarcinomas of the GI tract, lung and breast. Antibody to CEA is useful in differentiating lung adenocarcinoma (positive) from mesothelioma (negative). CEA has been helpful in monitoring tumor progression.

Specifications:

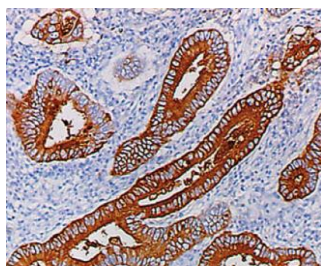
Clone: CEA31
Source: Mouse
Isotype: IgG1k
Reactivity: Human, monkey
Localization: Cytoplasm, luminal membrane
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt, ICC/IF, IP, WB
Package:

Description	Catalog No.	Size
CEA/CD66 Concentrated	MC0523	1 ml
CEA/CD66 Prediluted	MC0523RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Fetal Colon, colon carcinoma
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE colon carcinoma stained with anti-CEA using DAB

References:

1. Green fluorescent-conjugated anti-CEA single chain antibody for the detection of CEA-positive cancer cells. Salavatifar M, et al. Hybridoma (Larchmt). Jun;30(3):229-38, 2011.
2. Selection, affinity maturation, and characterization of a human scFv antibody against CEA protein. Pavoni E, et al. BMC Cancer. Feb 24;6:41, 2006.
3. Characterization of monoclonal antibodies against carcinoembryonic antigen (CEA) and expression in E. coli. Kim SH, et al. Hybridoma. Aug;20(4):265-72, 2001.

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Rev. A