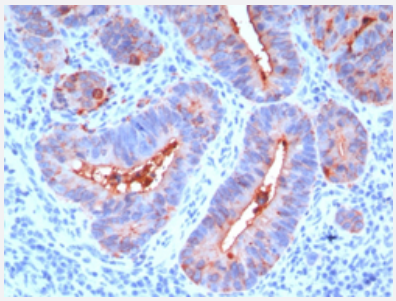
CEA monoclonal antibody, clone C66/195

Catalog # MAB13255 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with CEA monoclonal antibody, clone C66/195 (Cat # MAB13255).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human Carcinoembryonic Antigen (CEA).
Immunogen	Recombinant protein corresponding to full length human Carcinoembryonic Antigen.
Host	Mouse
Theoretical MW (kDa)	80-200
Reactivity	Human
Specificity	This monoclonal antibody reacts with nonspecific cross-reacting antigen (NCA) and shows a cross-reaction with human polymorphonuclear leukocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues.
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

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Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with CEA monoclonal antibody, clone C66/195 (Cat # MAB13255).

- Immunofluorescence

- Flow Cytometry

Gene Info — CEACAM1

Entrez GeneID	634
Gene Name	CEACAM1
Gene Alias	BGP, BGP1, BGPI
Gene Description	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
Omim ID	109770
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of only two has been determined. [provided by RefSeq
Other Designations	CD66a antigen|antigen CD66|biliary glycoprotein adhesion molecule|carcinoembryonic antigen-related cell adhesion molecule 1

Gene Info — CEACAM5

Entrez GeneID	1048
Gene Name	CEACAM5
Gene Alias	CD66e, CEA, DKFZp781M2392
Gene Description	carcinoembryonic antigen-related cell adhesion molecule 5
Omim ID	114890
Gene Ontology	Hyperlink
Other Designations	-

Disease

- Body Weight
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Meningococcal Infections
- Metabolic Syndrome X
- Osteoporosis

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