Carcinoembryonic Antigen (CEA) / CD66e Antibody

Mouse Monoclonal Antibody [Clone C66/4098]

Catalog No	Format	Size
1048-MSM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1048-MSM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1048-MSM18-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

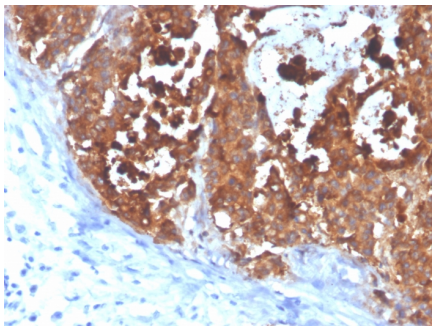
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

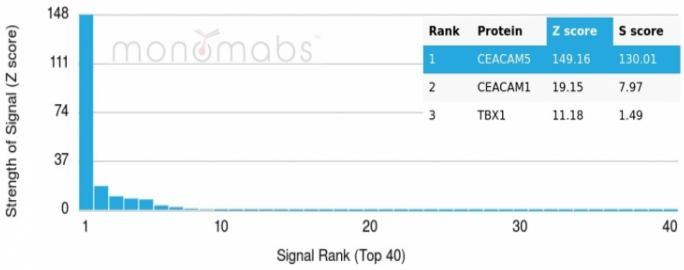
Clone	C66/4098
Gene Name	CEACAM5
Immunogen	Recombinant full-length human CEA protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	180-200kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cell surface
Species Reactivity	Human
Positive Control	MCF7 or 293T cells. Human colon carcinoma.

**Optimal dilution for a specific application should be determined.*

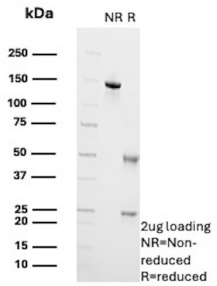
Product Images for Carcinoembryonic Antigen (CEA) / CD66e Antibody



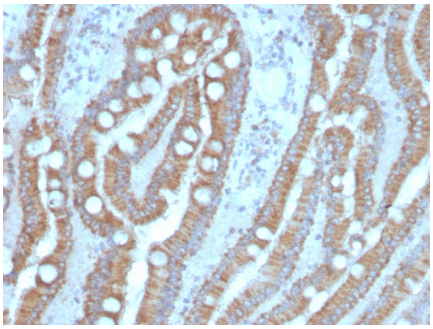
Formalin-fixed, paraffin-embedded human colon carcinoma stained with CEA Mouse Monoclonal Antibody (C66/4098).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CEA / CD66e-Monospecific Mouse Monoclonal Antibody (C66/4098). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified CEA Mouse Monoclonal Antibody(C66/4098). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human small intestine stained with CEA Mouse Monoclonal Antibody (C66/4098).

Specificity & Comments

The CD66 (carcinoembryonic antigen, CEA, biliary glycoprotein I, BGP-1, CEACAM) immunoglobulin superfamily of genes encode cell adhesion proteins, which are expressed at higher levels in tumorous tissues than in normal tissues. The human CD66 gene family is a diverse set of glycoproteins of epithelial and hematopoietic lineage that comprises 29 genes, which map to chromosome position 19q13.2. CD66A, CD66B, CD66C, CD66D, CD66E and CD66F are the best characterized CD66 antigens, and CD66A-D expression upregulates on the surface of granulocytes upon stimulation. Certain CD66 family members mediate homotypic and heterotypic intercellular adhesion events. CD66E, also known as CEA, is a well-known tumor marker and a heavily glycosylated GPI-linked cell surface molecule.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Hematopoietic Stem Cells

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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