Carcinoembryonic Antigen (CEA) / CD66 Antibody

Mouse Monoclonal Antibody [Clone CEACAM5/12676]

Catalog No	Format	Size
1048-MSM36-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1048-MSM36-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1048-MSM36-P1ABX	Purified Ab WITHOUT BSA or 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	CEACAM5/12676
Immunogen	Recombinant fragment (around aa 414-534) of human CEACAM5 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	76.79kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cell surface
Species Reactivity	Human
Positive Control	Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421)

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

Product Images for Carcinoembryonic Antigen (CEA) / CD66 Antibody

Specificity & Comments

Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:10864933, PubMed:10910050, PubMed:2803308). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:2803308). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:10910050)., (Microbial infection) Receptor for E.coli Dr adhesins. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein 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.

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.