

12-1088: Anti-Carcinoembryonic Antigen (CEA) / CD66 Recombinant Mouse Monoclonal Antibody (Clone:rC66/1009)

Clonality :	Monoclonal
Clone Name :	rC66/1009
Application :	IHC
Reactivity :	Human
Gene :	CEACAM1 & CEACAM5
Gene ID :	1048 & 634
Uniprot ID :	P06731
Format :	Purified
Alternative Name :	Carcinoembryonic Antigen-related Cell Adhesion Molecule 5, CEACAM5, CD66, Biliary Glycoprotein (BGP-1)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human CD66e protein

Description

This antibody recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This MAb does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. Antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). Anti-CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbladder, urachus, salivary gland, ovary, and endocervix.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified 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 condition :	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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2µg/ml for 30 minutes 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),

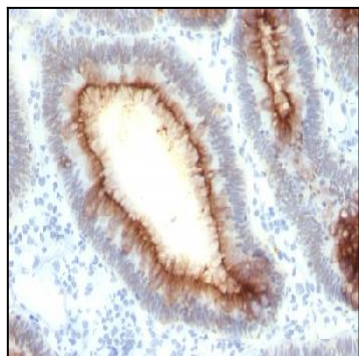


Figure 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CEA Mouse Recombinant Monoclonal Antibody (rC66/1009).

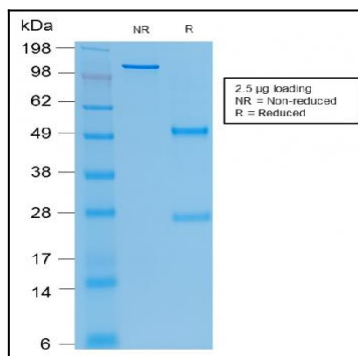


Figure 2: SDS-PAGE Analysis of Purified CEA Mouse Recombinant Monoclonal Antibody (rC66/1009).