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Datasheet for ABIN6939065

Recombinant anti-CEACAM5 antibody

2 Images

Overview

Quantity:	100 µg
Target:	CEACAM5
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant full-length human CEA protein
Clone:	RC66-1009
Isotype:	IgG1
Specificity:	This antibody recognizes proteins of 80-200 kDa, 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 Details

Cross-Reactivity (Details):	Human,
Purification:	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G.

Target Details

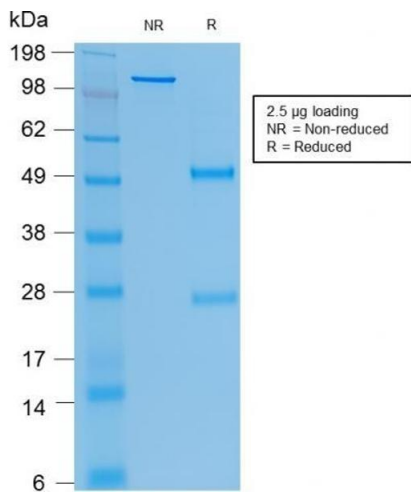
Target:	CEACAM5
Alternative Name:	CEACAM5 (CEACAM5 Products)
Background:	Carcinoembryonic Antigen-related Cell Adhesion Molecule 5, CEACAM5, CD66, Biliary Glycoprotein (BGP-1),Carcinoembryonic Antigen (CEA) / CD66 Cellular localisation: Cytoplasmic and luminal surface
Molecular Weight:	80-200kDa
Gene ID:	1048, 709196
UniProt:	P06731

Application Details

Application Notes:	Positive Control: MCF7 or 293T cells. Human colon carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

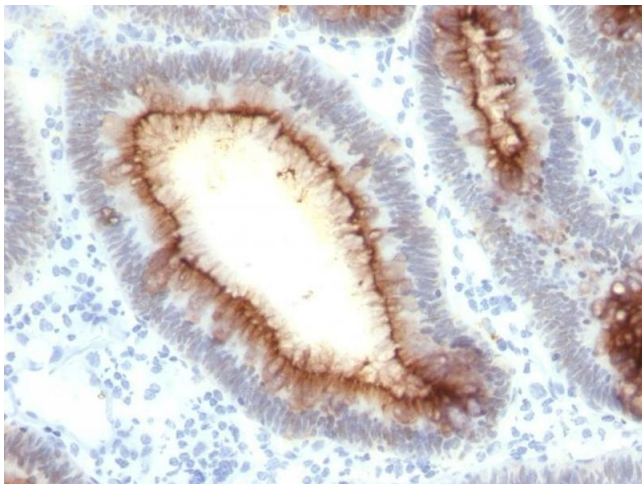
Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CEA Mouse Recombinant Monoclonal Antibody (rC66/1009). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CEA Mouse Recombinant Monoclonal Antibody (rC66/1009).