

Datasheet for ABIN6936929
anti-CEACAM1/5 antibody



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Overview

Quantity:	100 µg
Target:	CEACAM1/5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEACAM1/5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Immunofluorescence (IF)

Product Details

Immunogen:	Purified human CEA protein
Clone:	C66-195
Isotype:	IgG1 kappa
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 reacts with nonspecific cross-reacting antigen (NCA) and shows a cross-reaction 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,

Product Details

esophagus, pancreas, gallbadder, urachus, salivary gland, ovary, and endocervix.

Cross-Reactivity (Details): Human and Monkey.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: CEACAM1/5

Alternative Name: CEACAM1 & CEACAM5 ([CEACAM1/5 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: Known_Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), 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.
Positive_Control: MCF7 or 293T cells. Human colon carcinoma

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months