

Datasheet for ABIN6936928  
**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:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Immunofluorescence (IF)

## Product Details

Immunogen:	Human colon carcinoma extract
Clone:	COL-1
Isotype:	IgG2a 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 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,

## Product Details

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

Cross-Reactivity (Details): Human.

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

## Target Details

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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

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Application Notes: Known\_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (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

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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