

# CD66e (human) monoclonal antibody (26/3/13)

CD66e (CEACAM5; CEA) belongs to the carcinoembryonic antigen (CEA) gene family. It encodes a glycosyl phosphatidyl inositol (GPI)-linked glycoprotein with a  $M_r$  of 180'000-200'000 which is most strongly expressed on epithelial cells of the fetal and adult colon and to a minor extent on epithelial cells of the stomach and sweat glands, squamous epithelial cells of the tongue, esophagus and cervix. CD66e is used as a tumor marker for early detection of recurrent disease due to its expression in adenocarcinomas of the colon, lung, breast, stomach and pancreas and in mucinous ovarian carcinomas. Like all members of the CEACAM family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by six immunoglobulin constant-like A (A1, A2, A3) and B domains (B1, B2, B3).

This antibody is covered by our [Worry-Free Guarantee](#).

Citations: 6

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## Ordering Information

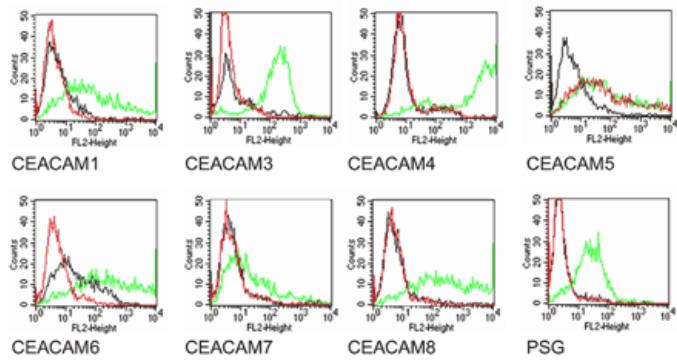
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ALX-805-077-C100

100 $\mu$ g

## Manuals, SDS & CofA

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Specificity testing of 26/3/13 (Prod. No. ALX-805-077). Members of the CEA family were expressed on BOSC cells after transient transfection with expression vectors containing either the cDNA of CEACAM1, 5, 6, 7 or 8. Recognition of CEACAM3, 4 and of a recombinant transmembrane-anchor-ed PSG1 fusion protein was tested on stably transfected HeLa (CEACAM3, PSG) and CHO cells (CEACAM4), respectively. Expression of the constructs was confirmed with monoclonal antibodies known to recognize the corresponding proteins (CEACAM1, 3, 4, 5 and 6: D14HD11 (Prod. No. ALX-805-080); CEACAM7: CAC2; CEACAM8: TET2; PSG: BAP1; green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, protein G purified 26/3/13 was tested on all CEACAM transfectants. A positive signal was only obtained with CEACAM5 expressing cells (red curves).

## Handling & Storage

<b>Handling</b>	For maximum product recovery after thawing, centrifuge the vial before opening the cap. Avoid freeze/thaw cycles.
<b>Short Term Storage</b>	+4°C
<b>Long Term Storage</b>	-20°C
<b>Shipping</b>	Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

<b>Alternative Name</b>	CEACAM5, CEA, Carcinoembryonic antigen
<b>Application</b>	ELISA, Flow Cytometry, IHC (FS), WB
<b>Clone</b>	26/3/13
<b>Crossreactivity</b>	Does not cross-react with human CEACAM1, 3, 4, 6, 7, 8 or PSG.
<b>Formulation</b>	Liquid. In PBS containing no preservatives.
<b>Host</b>	Mouse
<b>Immunogen</b>	CD66e (CEACAM5; CEA) partially purified from a perchloric acid extract from liver metastases of colonic tumors.
<b>Isotype</b>	IgG1
<b>Purity Detail</b>	Protein G-affinity purified.
<b>Quality Control</b>	Routinely tested by flow cytometry on BOSC cells transiently transfected with a CD66e expression vector.
<b>Species Reactivity</b>	Human
<b>UniProt ID</b>	P06731

Last modified: December 18, 2025



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