

Anti-CEACAM1 + CEACAM5 antibody [4/3/17] ab91213

3 图像

概述

产品名称	Anti-CEACAM1 + CEACAM5抗体[4/3/17]
描述	小鼠单克隆抗体[4/3/17] to CEACAM1 + CEACAM5
宿主	Mouse
特异性	Does not recognise CEACAM3, CEACAM6 or CEACAM8
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Human
免疫原	Native Human protein expressed in mammalian cells
阳性对照	Transfected BOSC23 cells
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.20 Constituent: PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	4/3/17
同种型	IgG1

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab91213于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 1.2µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

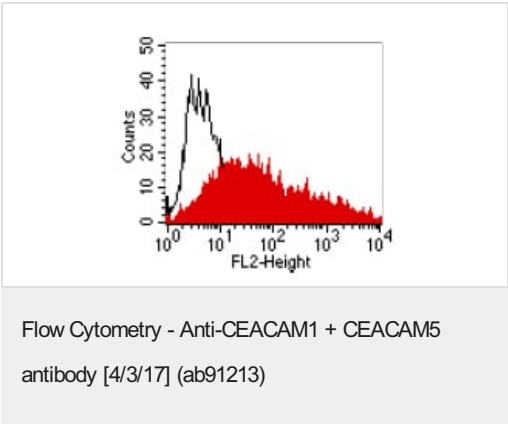
相关性

CEACAM1 and CEACAM5 belong to the carcinoembryonic antigen (CEA) gene family. It is expressed on cells of epithelial and myeloid origin. CEACAM1 expression is downregulated in many tumors indicating a tumor - suppressive function. The antitumor effect may be due to inhibition of tumor angiogenesis, possibly by increased secretion of antiangiogenic molecules from the cells. Like all members of the CEACAM family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by two immunoglobulin constant-like A (A1, A2) and one B domain. While the N, A1 and B domains can also be found in other CEA-family members, the A2 domain of CEACAM1 differs from those found in other CEACAM. CEACAM5 is a cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. CEACAM5 is a homodimer. It is a receptor for E.coli Dr adhesins. Binding of E.coli Dr adhesins leads to dissociation of the homodimer. Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

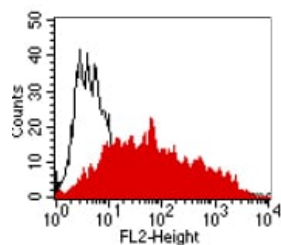
细胞定位

Isoforms A, B, C: Cell membrane; Single-pass type I membrane protein. Isoforms G, H, I: Secreted.

图片

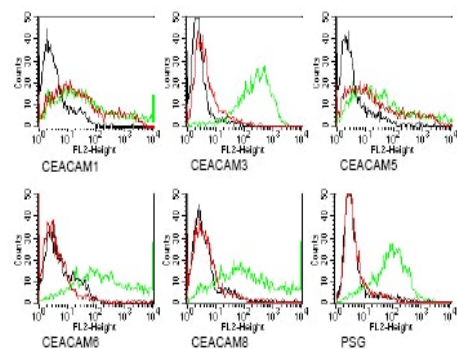


ab91213 at 1.2µg/10⁶ cells in BOSC23 cells transiently transfected with an expression vector encoding either CEACAM1 (red curve) or a control protein (black curve). A PE conjugated secondary antibody was used.



Flow Cytometry - Anti-CEACAM1 + CEACAM5
antibody [4/3/17] (ab91213)

ab91213 at $1.2\mu\text{g}/10^6$ cells in BOSC23 cells transiently transfected with an expression vector encoding either CEACAM5 (red curve) or a control protein (black curve). A PE conjugated secondary antibody was used.



Flow Cytometry - Anti-CEACAM1 + CEACAM5
antibody [4/3/17] (ab91213)

Specificity testing of ab91213. BOSC23 cells were transiently transfected with expression vectors containing either the cDNA of CEACAM1, 3, 5, 6, 8 or a recombinant transmembrane-anchored PSG1 fusion protein. Expression of the constructs was confirmed with monoclonal antibodies known to recognise the corresponding proteins (green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, protein G purified ab91213 was tested on all CEACAM transfectants. A positive signal was obtained with CEACAM1 and CEACAM5 expressing cells (red curves).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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