

Datasheet for ABIN108735
anti-CEACAM1/5 antibody

5 Images

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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), Western Blotting (WB), ELISA, Cell-ELISA (cELISA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	immunisation with extracted protein of CEACAM5
Clone:	4-3-17
Isotype:	IgG1
Specificity:	Anti-human CEACAM1, 5 (BGP, CEA, CD66a,e)
Purification:	Protein G

Target Details

Target:	CEACAM1/5
Alternative Name:	CEACAM1,5 (CEACAM1/5 Products)
Background:	Over-expression of CEA/CEACAM5 in tumors of epithelial origin is the basis of its wide-spread

Target Details

use as a tumor marker CEACAM1 expression is down-regulated in many tumors indicating a tumor-suppressive function. The anti-tumor effect may be due to inhibition of tumor angiogenesis, possibly by increased secretion of anti-angiogenic molecules from the cells. The function of CEA family members varies widely: they function as cell adhesion molecules, tumor suppressors, regulators of lymphocyte and dendritic cell activation, receptors of Neisseria species and other bacteria.

UniProt: [P06731](#), [P13688](#)

Application Details

Application Notes: Flow cytometry: 1.2 µg/10⁶ cells
ELISA: 1:200 - 1:400
CELISA: 1:200 Western blot: 4 µg/mL
Immunohistology: 1-2 µg/10⁶ cells (on cryosections)
For each application a titration should be performed to determine the optimal concentration.

Comment: Synonyms: CD66ae, BGP, CEA

Restrictions: For Research Use only

Handling

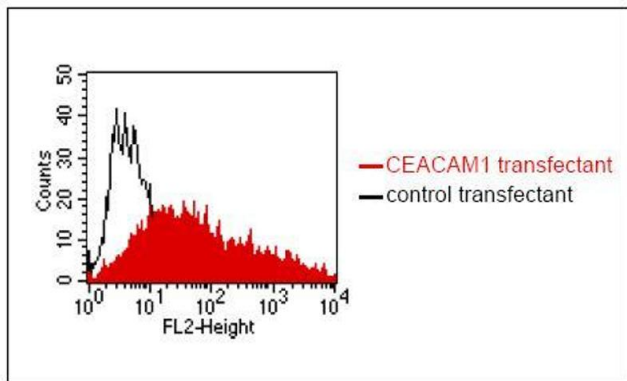
Concentration: 1 mg/mL

Buffer: PBS, pH 7.2

Handling Advice: Avoid repeated freezing and thawing.

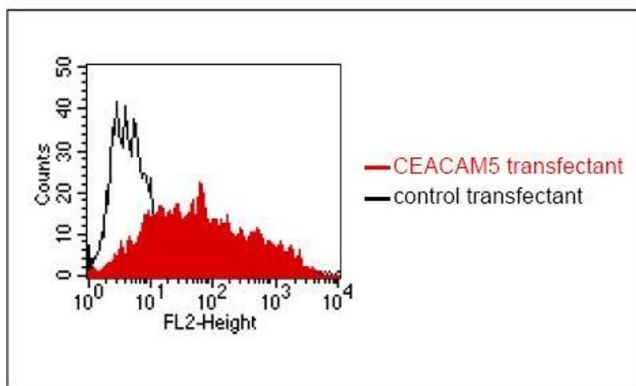
Storage: 4 °C

Storage Comment: short term: 2 °C - 8 °C, long term: -20 °C



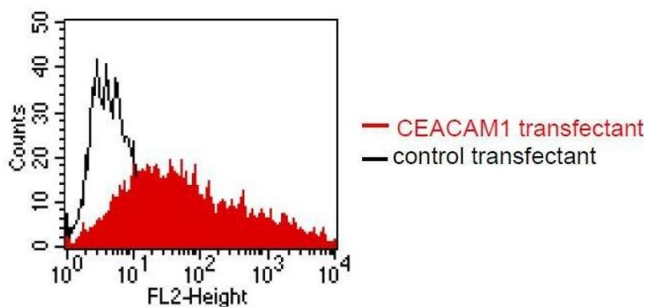
Flow Cytometry

Image 1. FACS analysis of BOSC23 cells using 4/3/17. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM1 (red curve) or an irrelevant protein (control transfectant). Binding of 4/3/17 was detected with a PE conjugated secondary



Flow Cytometry

Image 2. FACS analysis of BOSC23 cells using 4/3/17. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM5 (red curve) or an irrelevant protein (control transfectant). Binding of 4/3/17 was detected with a PE conjugated secondary



Flow Cytometry

Image 3. FACS analysis of BOSC23 cells using 4/3/17. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM1 (red curve) or an irrelevant protein (control transfectant). Binding of 4/3/17 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with CEACAM1 transfected cells.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN108735.