

Datasheet for ABIN108732
anti-CEACAM7 antibody[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	CEACAM7
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEACAM7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Cell-ELISA (cELISA)

Product Details

Immunogen:	immunisation with a CEACAM7/Fc fusion protein
Clone:	BAC2
Isotype:	IgG1
Specificity:	Anti-human CEACAM7 (CGM2)
Purification:	Protein G

Target Details

Target:	CEACAM7
Alternative Name:	CEACAM7 (CEACAM7 Products)
Background:	CEACAM7 expression is completely lost upon malignant transformation already in hyperplastic

Target Details

polyps and early adenomas as well as in adenocarcinomas of the colon. BAC2 was generated by immunisation with a CEACAM7/Fc fusion protein and can be used to distinguish CEACAM7 from all other CEACAMs.

UniProt: [Q14002](#)

Application Details

Application Notes:	Flow cytometry: 1.2 µg/10 ⁶ cells CELISA: 1:200 - 1:400 For each application a titration should be performed to determine the optimal concentration.
Comment:	Synonyms: CGM2
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

Images

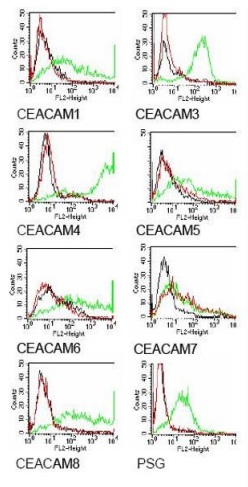
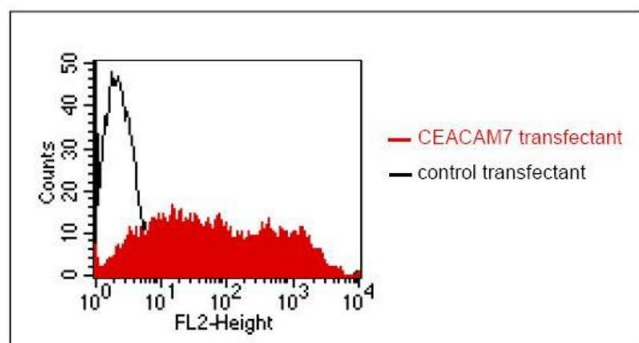
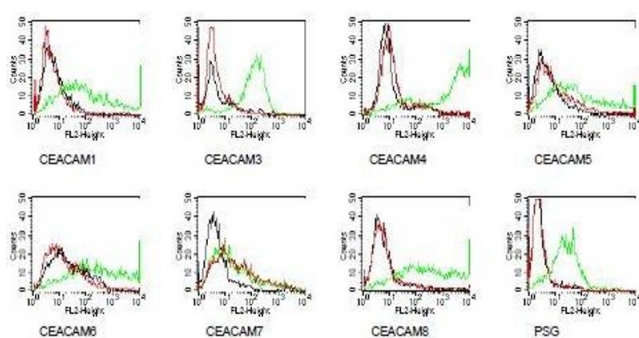


Image 1. Specificity testing of BAC2. Members of the CEACAM family were expressed on BOSC cells after transient transfection with expression vectors containing either the cDNA of CEACAM1, 5, 6, 7, 8 or a recombinant transmembrane- anchored PSG1 fusion protein. Re



Flow Cytometry

Image 2. FACS analysis of BOSC23 cells using BAC2. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM7 (red curve) or an irrelevant protein (control transfectant). Binding of BAC2 was detected with a PE conjugated secondary antibody.



Flow Cytometry

Image 3. Members of the CEACAM family were expressed on BOSC cells after transient transfection with expression vectors containing either the cDNA of CEACAM1, 5, 6, 7, 8 or a recombinant trans-membrane-anchored PSG1 fusion protein. Recognition of CEACAM3, CEACAM4 and PSG1 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; CEACAM7: CAC2; CEACAM8: TET2; PSG: BAP1; green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, pro-teins purified BAC2 was tested on all CEACAM transfectants. A positive signal was only obtained with CEACAM7 expressing cells (red curves).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN108732.