Datasheet for ABIN108733

anti-CEACAM6 antibody

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Overview

Quantity:	100 µg
Target:	CEACAM6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CEACAM6 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Cell-ELISA (cELISA)

Product Details

Immunogen:	immunisation with tumor cell lines expressing CEACAM6
Clone:	9A6
Isotype:	IgG1
Specificity:	Anti-human CEACAM6 (NCA, CD66c)
Purification:	Protein G

Target Details

Target:	CEACAM6
Alternative Name:	CEACAM6 (CEACAM6 Products)
Background:	CEACAM6 (NCA) belongs to the carcinoembryonic antigen (CEA) gene family. It is

Target Details

	overexpressed in many tumors of epithelial origin. 9A6 was generated by immunisation with tumor cell lines expressing CEACAM6 and can be used to distinguish CEACAM1 from all other CEACAMs.
UniProt:	P40199

Application Details

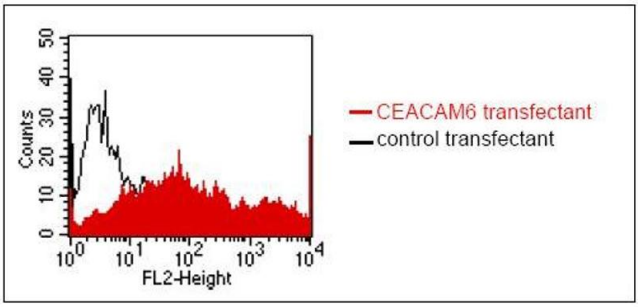
Application Notes:	Flow cytometry: 1.2 µg/10^6 cells CELISA: 1:200 - 1:400 ELISA: 1:200 - 1:400 Western blot: 4 µg/mL Immunohistology: 1-2 µg/10^6 cells (on cryosections) For each application a titration should be performed to determine the optimal concentration.
Comment:	Synonyms: CD66c, NCA
Restrictions:	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

Publications

Product cited in:	Dolezalová, Vojt?sek, Kovarík: "Epitope analysis of the human p53 tumour suppressor protein." in: **Folia biologica**, Vol. 43, Issue 1, pp. 49-51, (1997) (PubMed). Bártková, Bártek, Lukás, Vojt?sek, Stasková, Rejthar, Kovarík, Midgley, Lane: "p53 protein alterations in human testicular cancer including pre-invasive intratubular germ-cell neoplasia." in: **International journal of cancer. Journal international du cancer**, Vol. 49, Issue 2, pp. 196-202, (1991) (PubMed).



Flow Cytometry

Image 1. FACS analysis of BOSC23 cells using 9A6.BOSC23 cells were transiently transfected with an expressionvector encoding either CEACAM6 (red curve) or an irrelevant protein (control transfectant). Binding of 9A6 was detected with aPE conjugated secondary antibody. A positive signal was obtained only with CEACAM6 transfected cells.

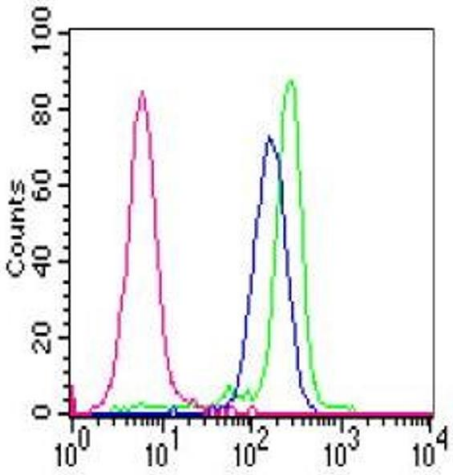


Image 2. Reactivity of FITC-labelled GM-9A6 with polymorph nuclear cells. 2 x 105 polymorph nuclear cells (PMN) with (green) or without (blue) prior incubation with PMA were reacted for 30 min at 4°C with FITC conjugated GM-9A6 (40 ug/ml) or with an isotype match

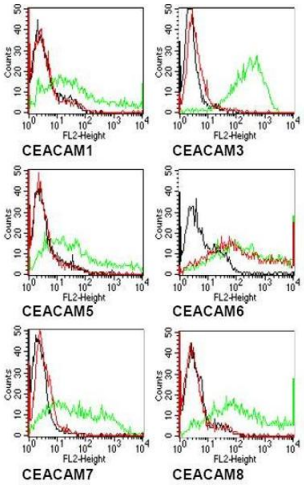


Image 3. Specificity testing of 9A6. Members of the CEA family were expressed on BOSC cells after transient transfection with expression vectors containing either the cDNA of CEACAM1, 5, 6, 7 or 8. Recognition of CEACAM3 and 4 was tested on stably transfected HeLa cells (CEACAM4). Expression of the constructs was confirmed with monoclonal antibodies known to recognize the corresponding proteins (CEACAM1, 3, 5 and 6: \ D14HD11, CEACAM7: CAC2, CEACAM8: 80H3 (green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, protein G-purified 9A6 was tested on all CEACAM transfectants. A positive signal was only obtainedwith CEACAM6-expressing cells (red curves).

Images

Please check the product details page for more images. Overall 5 images are available for ABIN108733.