Datasheet for ABIN108729

anti-CD66acde antibody

6 Images

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Overview

Quantity:	100 µg
Target:	CD66acde (CEACAM1/3/5/6)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD66acde antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), ELISA, Western Blotting (WB), Cell-ELISA (cELISA), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	immunisation with extracted protein of CEACAM5
Clone:	D14HD11
Isotype:	IgG1
Specificity:	Anti-human CEACAM1,3,4,5,6 (CD66a,c,d,e,CGM7)
Purification:	Protein G

Target Details

Target:	CD66acde (CEACAM1/3/5/6)
Alternative Name:	CEACAM1,3,4,5,6
Background:	D14HD11 was generated by immunisation with CEA partially purified from a perchloric acid

Target Details

	extract from liver metastases of colonic tumors. D14HD11 is a broadly reactive high affinity antibody which reacts with most of the CEACAM molecules (except CEACAM7 and CEACAM8).
UniProt:	P06731, O75871, P13688, P40199, P40198

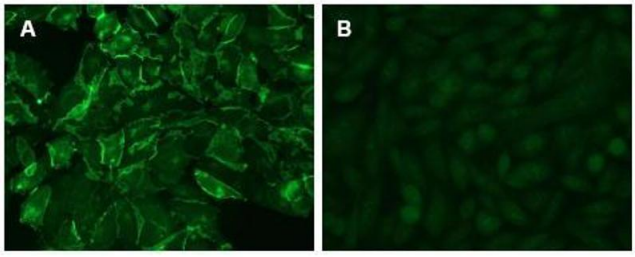
Application Details

Application Notes:	Flow cytometry: 1.2 µg/10^6 cells ELISA: 1:200 - 1:400 CELISA: 1:200 - 1:400 Western Blot: 4 µg/mL Immunofluorescence: 1 µg/106cells For each application a titration should be performed to determine the optimal concentration.
Comment:	Synonyms: CD66acde, CGM7
Restrictions:	For Research Use only

Handling

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



Immunofluorescence

Image 1. Immunofluorescence of stable CHO-K1/CEACAM1-transfectant with D14HD11. Cells were fixed with 4% paraformaldehyde, permeabilized with 0.05% saponine and then stained with 50 ug/ml D14HD11 diluted in PBS with 1% BSA (A). Untransfected CHO-K1 parental cells

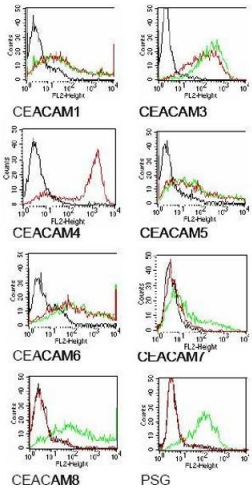


Image 2. Specificity testing of D14HD11. BOSC cells were transiently transfected with expression vectors containing either the cDNA of CEACAM1, CEACAM3, CEACAM5-CEACAM8 or a recombinant transmembrane-anchored PSG1 fusion protein. Recognition of CEACAM4 was tested

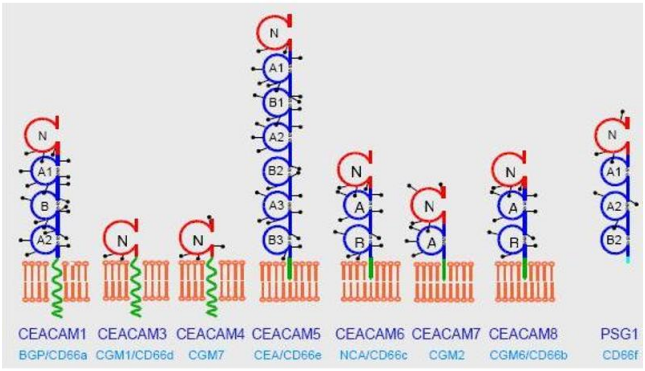


Image 3. Domain organization of the human CEACAM family. The CEACAM family consists of two subgroups, the CEACAM and the PSG subgroup. CEACAM family members are membranebound by either via a transmembrane domain or a GPI anchor (green arrow) whereas the PSGs are

Please check the product details page for more images. Overall 6 images are available for ABIN108729.