

DATASHEET

CD66c Mouse Monoclonal Antibody(C2629)

CAT. NO. AMA02241

KEY FEATURES

Target	CD66c	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IHC, IF/ICC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Cell surface glycoprotein that plays a role in cell adhesion and tumor progression . Intercellular adhesion occurs in a calcium- and fibronectin-independent manner . Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 . Heterophilic interaction with CEACAM8 occurs in activated neutrophils . Plays a role in neutrophil adhesion to cytokine-activated endothelial cells . Plays a role in cell migration and cell adhesion to endothelial cells .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
IF/ICC	1:50 - 1:100
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to CD66c
Specificity	Recognizes endogenous levels of CD66c protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD66c expressed in HEK293
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 37 kD; Observed: 50 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NCA; Carcinoembryonic antigen-related cell adhesion molecule 6; Non-specific, crossreacting antigen; Normal cross-reacting antigen; CD66c
Gene Symbol	CEACAM6
Entrez Gene	4680(Human)
SwissProt	P40199(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

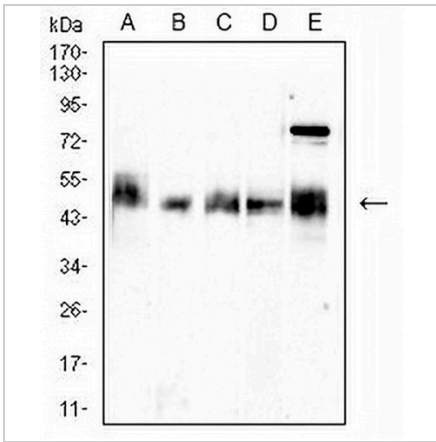
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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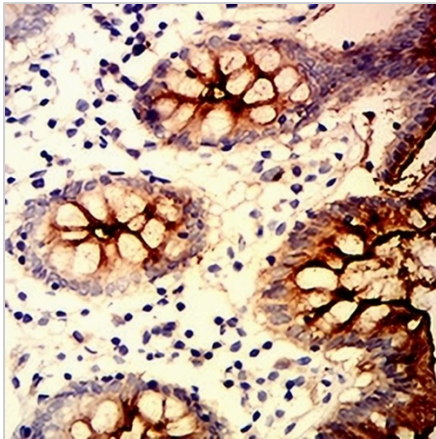
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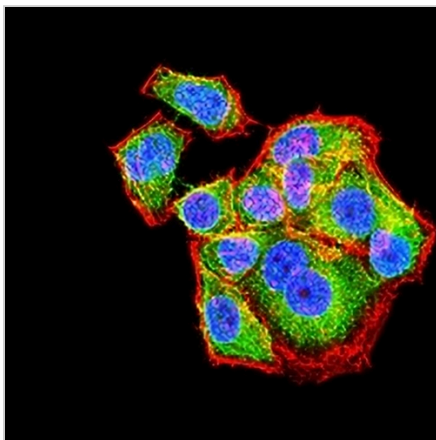
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Western blot analysis of CD66c expression in Jurkat (A), PC12 (B), HEK293 (C), MG63 (D), C2C12 (E) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 50 kD)



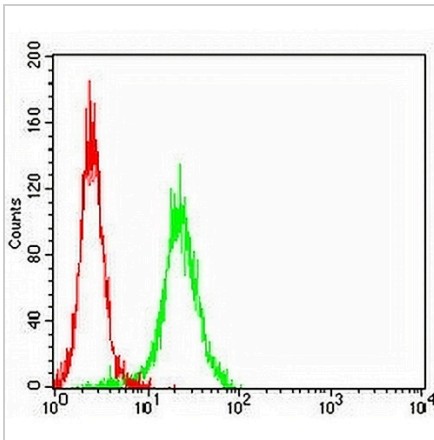
Immunohistochemical analysis of CD66c staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD66c staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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DATA (CONTINUED)

Flow cytometric analysis of Jurkat cells using Anti-CD66c Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.