

DATASHEET

CD66a Mouse Monoclonal Antibody(C2626)

CAT. NO. AMA02238

KEY FEATURES

Target	CD66a	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Cell adhesion protein that mediates homophilic cell adhesion in a calcium-independent manner . Plays a role as coinhibitory receptor in immune response, insulin action and also functions as an activator during angiogenesis . Its coinhibitory receptor function is phosphorylation- and PTPN6 -dependent, which in turn, suppress signal transduction of associated receptors by dephosphorylation of their downstream effectors. Plays a role in immune response, of T cells, natural killer (NK) and neutrophils .

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
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 CD66a
Specificity	Recognizes endogenous levels of CD66a protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD66a expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 58 kD; Observed: 58 kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BGP; BGP1; CarcinoembryonIC, antigen-related cell adhesion molecule 1; Biliary glycoprotein 1; BGP-1; CD66a
Gene Symbol	CEACAM1
Entrez Gene	634(Human)
SwissProt	P13688(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.

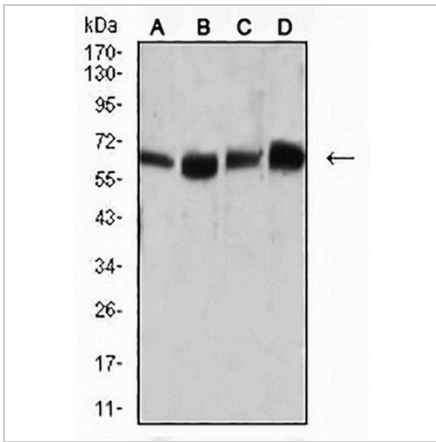
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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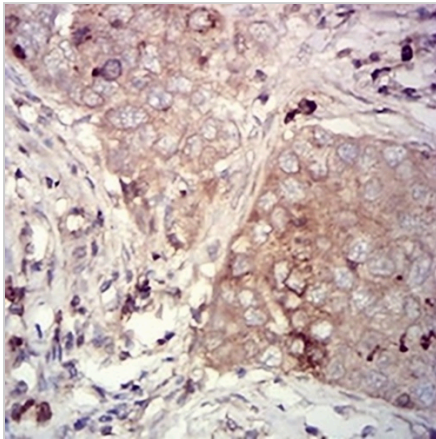
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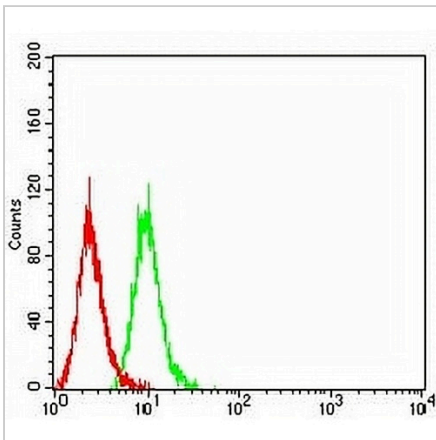
DATA



Western blot analysis of CD66a expression in HepG2 (A), SKMES1 (B), HeLa (C), A549 (D) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 58 kD)



Immunohistochemical analysis of CD66a staining in human lung cancer 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.



Flow cytometric analysis of HeLa cells using Anti-CD66a 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.