

DATASHEET

CD144 Mouse Monoclonal Antibody(C2621)

CAT. NO. AMA02233

KEY FEATURES

Target	CD144	Source / Host	Mouse
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB, 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

Cadherins are calcium-dependent cell adhesion proteins . They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types . This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions . It associates with alpha-catenin forming a link to the cytoskeleton . Plays a role in coupling actin fibers to cell junctions in endothelial cells, via acting as a cell junctional complex anchor for AMOTL2 and MAGI1 . Acts in concert with KRIT1 and PALS1 to establish and maintain correct endothelial cell polarity and vascular lumen .

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 CD144
Specificity	Recognizes endogenous levels of CD144 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD144 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 88 kD; Observed: 88 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Cadherin-5; 7B4 antigen; Vascular endothelial cadherin; VE-cadherin; CD144
Gene Symbol	CDH5
Entrez Gene	1003(Human); 307618(Rat)
SwissProt	P33151(Human); F1M7E5(Rat)

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

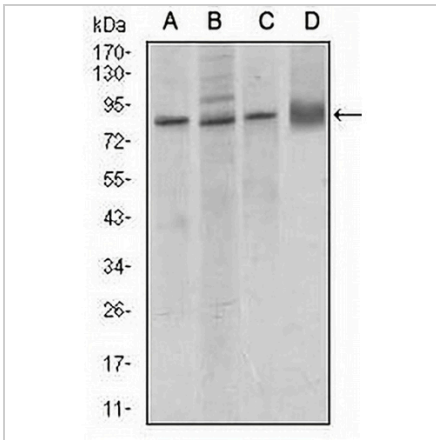
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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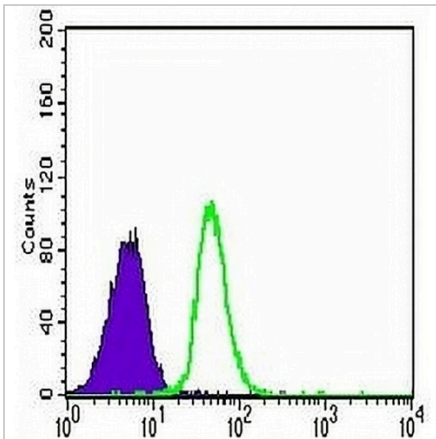
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Western blot analysis of CD144 expression in MCF7 (A), A549 (B), HUVE12 (C), rat lung (D) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 88 kD)



Flow cytometric analysis of Jurkat cells using Anti-CD144 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.