

## DATASHEET

# CD299 Mouse Monoclonal Antibody(C2643)

CAT. NO. AMA02255

### KEY FEATURES

Target	CD299	Source / Host	Mouse
Reactivity	Human	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

Probable pathogen-recognition receptor involved in peripheral immune surveillance in liver. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates.

### 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
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 CD299
Specificity	Recognizes endogenous levels of CD299 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD299 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 45 kD; Observed: 55 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CD209L; CD209L1; CD299; C-type lectin domain family 4 member M; CD209 antigen-like protein 1; DC-SIGN-related protein; DC-SIGNR; Dendritic, cell-specific, IC,AM-3-grabbing non-integrin 2; DC-SIGN2; Liver/lymph node-specific, IC,AM-3-grabbing non-integrin; L-SIGN; CD299
Gene Symbol	CLEC4M
Entrez Gene	10332(Human)
SwissProt	Q9H2X3(Human)

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

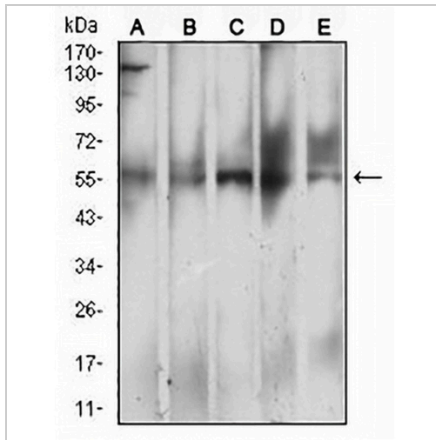
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

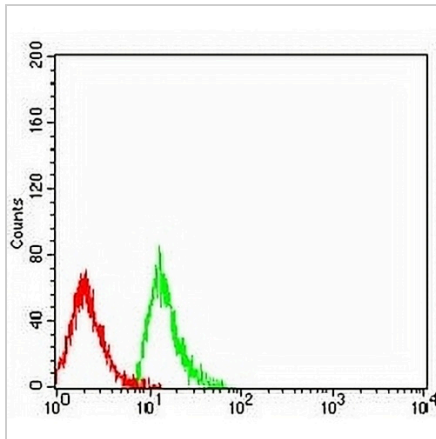
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**DATA**



Western blot analysis of CD299 expression in L02 (A), HepG2 (B), BEL7402 (C), SMMC7702 (D), HL7702 (E) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 55 kD)



Flow cytometric analysis of MOLT4 cells using Anti-CD299 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.