

DATASHEET

CD34 Mouse Monoclonal Antibody(C2599)

CAT. NO. AMA02211

KEY FEATURES

Target	CD34	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, 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

Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins.

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 CD34
Specificity	Recognizes endogenous levels of CD34 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD34 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 41 kD; Observed: 50 kD kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HematopoietIC, progenitor cell antigen CD34; CD34
Gene Symbol	CD34
Entrez Gene	947(Human); 12490(Mouse)
SwissProt	P28906(Human); Q64314(Mouse)

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

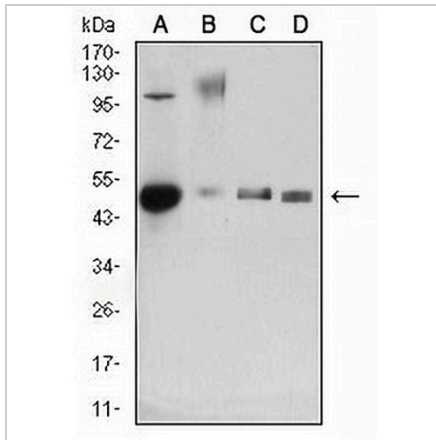
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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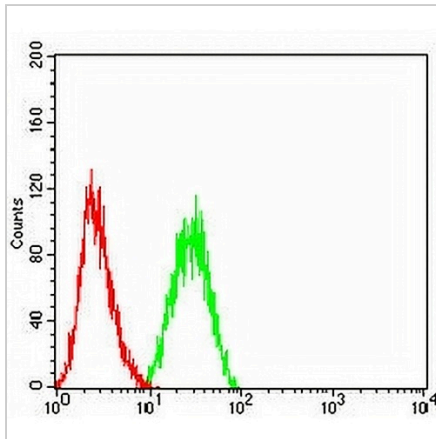
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Western blot analysis of CD34 expression in mouse lung (A), rat lung (B), mouse kidney (C), rat kidney (D) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 50 kD kD)



Flow cytometric analysis of THP1 cells using Anti-CD34 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.