

DATASHEET

CD55 Mouse Monoclonal Antibody(C2609)

CAT. NO. AMA02221

KEY FEATURES

Target	CD55	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

This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and C3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade . Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage .

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 CD55
Specificity	Recognizes endogenous levels of CD55 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD55 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 41 kD; Observed: 72 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CR; DAF; Complement decay-accelerating factor; CD55
Gene Symbol	CD55
Entrez Gene	1604(Human)
SwissProt	P08174(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.

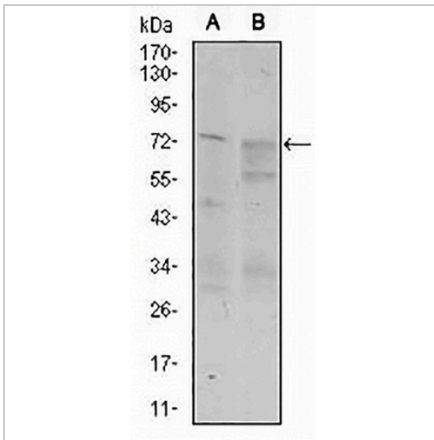
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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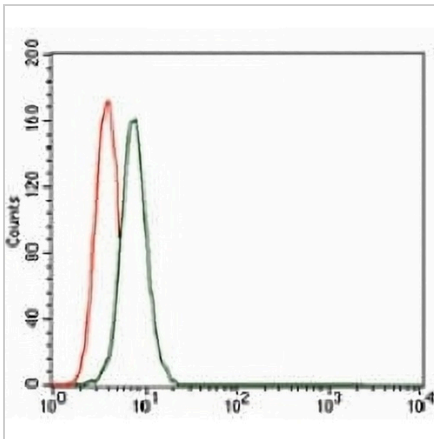
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Western blot analysis of CD55 expression in Raji (A), K562 (B) whole cell lysates.
(Predicted band size: 41 kD; Observed band size: 72 kD)



Flow cytometric analysis of K562 cells using Anti-CD55 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.