

DATASHEET

CD177 Mouse Monoclonal Antibody(C2592)

CAT. NO. AMA02204

KEY FEATURES

Target	CD177	Source / Host	Mouse
Reactivity	Human	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

In association with beta-2 integrin heterodimer ITGAM/CD11b and ITGB2/CD18, mediates activation of TNF primed neutrophils including degranulation and superoxide production . In addition, by preventing beta-2 integrin internalization and attenuating chemokine signaling favors adhesion over migration . Heterophilic interaction with PECAM1 on endothelial cells plays a role in neutrophil transendothelial migration in vitro . However, appears to be dispensable for neutrophil recruitment caused by bacterial infection in vivo . Acts as a receptor for the mature form of protease PRTN3 allowing its display at the cell surface of 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
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 CD177
Specificity	Recognizes endogenous levels of CD177 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD177 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 46 kD; Observed: 46 kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NB1; PRV1; CD177 antigen; Human neutrophil alloantigen 2a; HNA-2a; NB1 glycoprotein; NB1 GP; Polycythemia rubra vera protein 1; PRV-1; CD177
Gene Symbol	CD177
Entrez Gene	57126(Human)
SwissProt	Q8N6Q3(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.

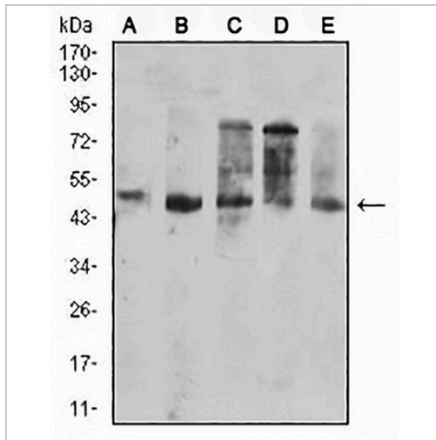
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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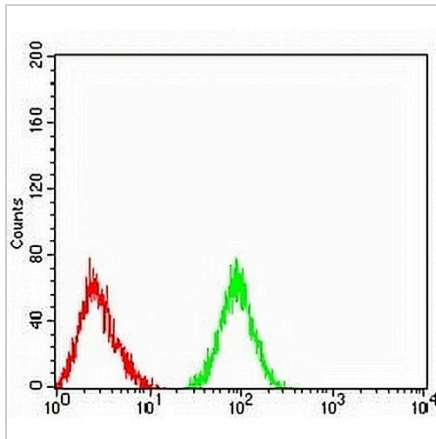
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Western blot analysis of CD177 expression in SPCA1 (A), SKMES1 (B), HepG2 (C), HL60 (D), PC3 (E) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 46 kD kD)



Flow cytometric analysis of HL60 cells using Anti-CD177 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.