

**DATASHEET**

**CD177 Rabbit Polyclonal Antibody**

CAT. NO. APA14551

**KEY FEATURES**

Target	CD177	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, 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
----	----------------

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

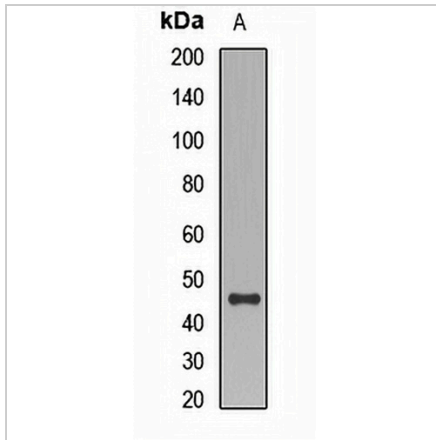
Description	Rabbit polyclonal antibody to CD177
Specificity	Recognizes endogenous levels of CD177 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD177
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 15; Observed: 45 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, 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); 68891(Mouse)
SwissProt	Q8N6Q3(Human); Q8R2S8(Mouse)

\*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****CD177 Rabbit Polyclonal Antibody**

CAT. NO. APA14551

**DATA**

Western blot analysis of CD177 expression in BT474 (A) whole cell lysates. (Predicted band size: 15; 27; 46 kD; Observed band size: 45 kD)

**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.