

For Research Use Only

# CD177 Recombinant antibody

Catalog Number: 86454-1-RR



## Basic Information

Catalog Number:	86454-1-RR	GenBank Accession Number:	NM_026862.3	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	68891	CloneNo.:	250745B9
Source:	Rabbit	UNIPROT ID:	Q8R258	Recommended Dilutions:	WB: 1:1000-1:4000
Isotype:	IgG	Full Name:	CD177 antigen		
Immunogen Catalog Number:	EG2668	Calculated MW:	87 kDa		
		Observed MW:	130 kDa		

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: mouse bone marrow,
Species Specificity:	

mouse

## Background Information

CD177, also known as NB1, HNA-2a or PRV-1, is a glycosylphosphatidylinositol (GPI)-anchored glycoprotein that belongs to the uPAR/CD59/Ly6 snake toxin superfamily (PMID: 17898576). It is expressed exclusively by neutrophils, neutrophilic metamyelocytes, and myelocytes (PMID: 17580308). CD177 interacts with β2 integrin CD11b/CD18 and CD11a/CD18, PECAM-1, and participates in neutrophil activation and transmigration (PMID: 17580308; 21193407). CD177 has been identified as a useful biomarker for myeloproliferative diseases (PMID: 17898576).

## Storage

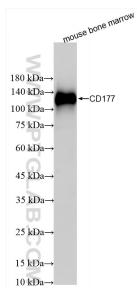
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



mouse bone marrow tissue was subjected to SDS PAGE followed by western blot with 86454-1-RR (Cd177 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.