

For Research Use Only

CD177 Polyclonal antibody

Catalog Number: 18264-1-AP



Basic Information

Catalog Number: 18264-1-AP	GenBank Accession Number: BC029167	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 ug/ml by Nanodrop;	GeneID (NCBI): 57126	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q8N6Q3	
Isotype: IgG	Full Name: CD177 molecule	
Immunogen Catalog Number: AG13146	Calculated MW: 437 aa, 46 kDa	
	Observed MW: 100-130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse bone marrow,
Species Specificity: human, 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 $\beta 2$ 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

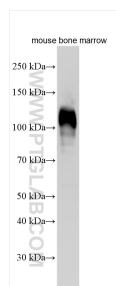
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



mouse bone marrow tissue was subjected to SDS PAGE followed by western blot with 18264-1-AP (CD177 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.