

For Research Use Only

Mouse CD177 Recombinant antibody, PBS Only

Catalog Number: 86454-1-PBS



Basic Information

Catalog Number:	86454-1-PBS	GenBank Accession Number:	NM_026862.3	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	68891	CloneNo.:	250745B9
Source:	Rabbit	UNIPROT ID:	Q8R258		
Isotype:	IgG	Full Name:	CD177 antigen		
Immunogen Catalog Number:	EG2668	Calculated MW:	87 kDa		
		Observed MW:	130 kDa		

Applications

Tested Applications:

WB, Indirect ELISA

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 $\beta 2$ 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 -80°C.

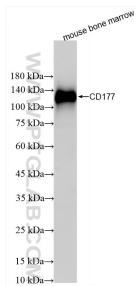
Storage Buffer:

PBS only, pH7.3

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

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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. This data was developed using the same antibody clone with 86454-1-PBS in a different storage buffer formulation.