

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: Q8R2S8	
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

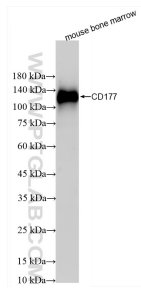
Storage:
Store at -80°C.

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)
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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.