

For Research Use Only

Anti-Human CD177 Rabbit Recombinant Antibody

Catalog Number: 98086-1-RR



Basic Information

Catalog Number:	98086-1-RR	GenBank Accession Number:	BC029167	Purification Method:	Protein A purification
Size:	100ug, 1000 ug/ml	GeneID (NCBI):	57126	CloneNo.:	241339F4
Source:	Rabbit	UNIPROT ID:	Q8N6Q3		
Isotype:	IgG	Full Name:	CD177 molecule		
		Calculated MW:	437 aa, 46 kDa		

Applications

Tested Applications:
FC

Species Specificity:
human

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 β 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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

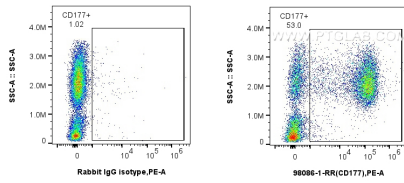
T: 4006900926

E: Proteintech-CN@ptglab.com

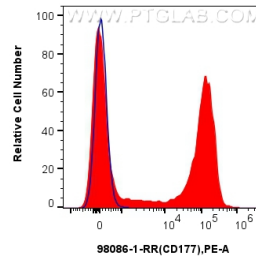
W: ptgcn.com

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

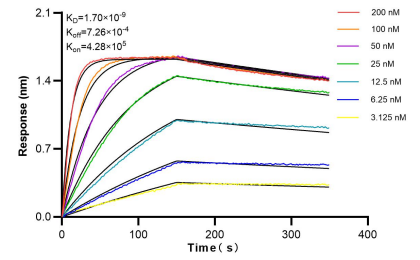
Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD177 Rabbit Recombinant Antibody (98086-1-RR, Clone:241339F4) or Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD177 Rabbit Recombinant Antibody (98086-1-RR, Clone:241339F4) (red) or Isotype Control (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98086-1-RR against Human CD177 were performed. The affinity constant is 1.70 nM.