

For Research Use Only

CD177 Polyclonal antibody

Catalog Number: 33733-1-AP



Basic Information

Catalog Number: 33733-1-AP	GenBank Accession Number: NM_026862.3	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 410 ug/ml by Nanodrop;	GeneID (NCBI): 68891	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:1000-1:4000
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, IHC, ELISA

Species Specificity:
mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat bone marrow tissue,

IHC : mouse lung tissue,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

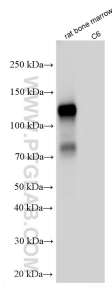
For technical support and original validation data for this product please contact:

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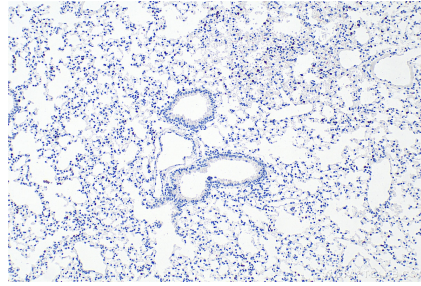
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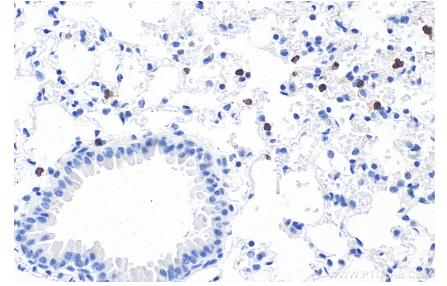
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33733-1-AP (CD177 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 33733-1-AP (CD177 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 33733-1-AP (CD177 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).