

For Research Use Only

# CD177 Recombinant antibody

Catalog Number: 86454-1-RR



## Basic Information

Catalog Number:

86454-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2668

GenBank Accession Number:

NM\_026862.3

GeneID (NCBI):

68891

UNIPROT ID:

Q8R258

Full Name:

CD177 antigen

Calculated MW:

87 kDa

Observed MW:

130 kDa

Purification Method:

Protein A purification

CloneNo.:

250745B9

Recommended Dilutions:

WB: 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : mouse bone marrow,

## 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

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

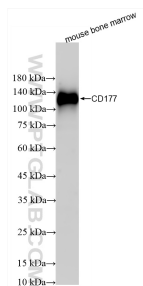
T: 4006900926

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



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.