
Product Name: CD177 Mouse Monoclonal Antibody**Catalog #: AMM82190**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	46.4kDa

Antigen Information

Gene Name	CD177
Alternative Names	NB1; PRV1; HNA2A; PRV-1; HNA-2a; NB1 GP
Gene ID	57126.0
SwissProt ID	Q8N6Q3
Immunogen	Purified recombinant fragment of human CD177 (AA: extra 22-161) expressed in E. Coli.

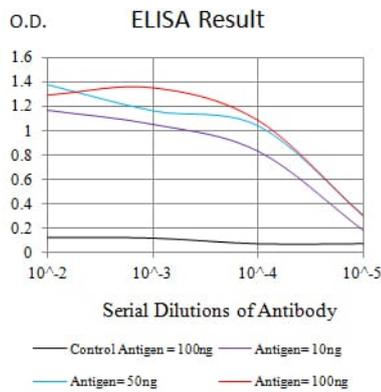
Background

This gene encodes a glycosyl-phosphatidylinositol (GPI)-linked cell surface glycoprotein that plays a role in neutrophil activation. The protein can bind platelet endothelial cell adhesion molecule-1 and function in neutrophil transmigration. Mutations in this gene are associated with myeloproliferative diseases. Over-expression of this gene has been found in patients

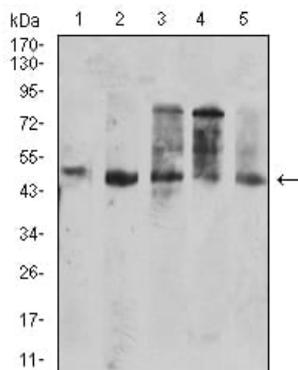
with polycythemia rubra vera. Autoantibodies against the protein may result in pulmonary transfusion reactions, and it may be involved in Wegener's granulomatosis. A related pseudogene, which is adjacent to this gene on chromosome 19, has been identified.

Research Area

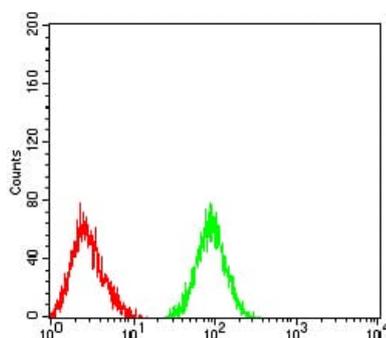
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CD177 mouse mAb against SPC-A-1 (1), SK-MES-1 (2), HepG2 (3), HL-60 (4), and PC-3 (5) cell lysate.



Flow cytometric analysis of HL-60 cells using CD177 mouse mAb (green) and negative control (red).