

**Product Name: CD42A Mouse Monoclonal Antibody****Catalog #: AMM82704**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA,FC
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	19kDa

**Antigen Information**

<b>Gene Name</b>	CD42A
<b>Alternative Names</b>	GPIX,GP9
<b>Gene ID</b>	2815.0
<b>SwissProt ID</b>	P14770
<b>Immunogen</b>	Purified recombinant fragment of human CD42A (AA: extra(17-147)) expressed in E. Coli.

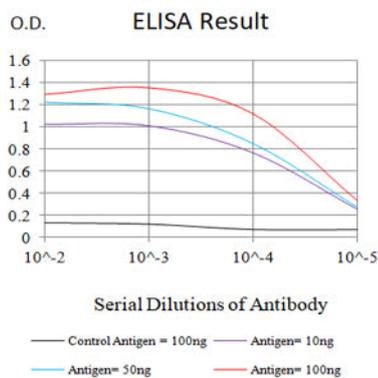
**Background**

This gene encodes a small membrane glycoprotein found on the surface of human platelets. It forms a 1-to-1 noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the

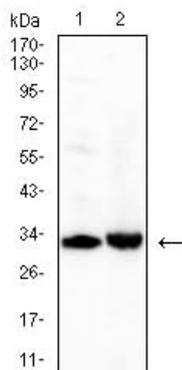
protein encoded by this gene and platelet glycoprotein V. Defects in this gene are a cause of Bernard-Soulier syndrome, also known as giant platelet disease. These patients have unusually large platelets and have a clinical bleeding tendency. [provided by RefSeq, Oct 2008]

## Research Area

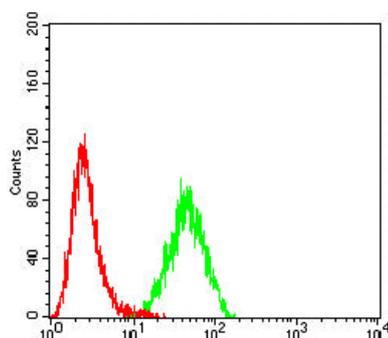
## Image Data



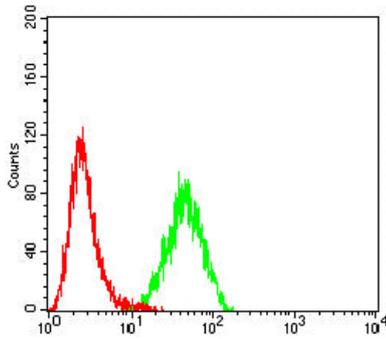
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



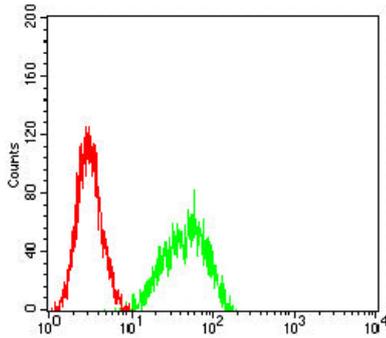
Western blot analysis using CD42A mouse mAb against PANC-1 (1), and L1210 (2) cell lysate.



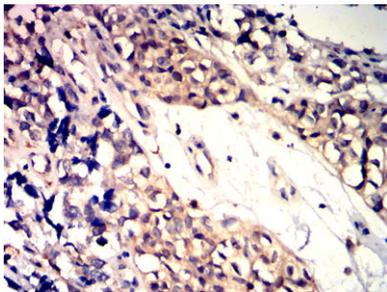
Flow cytometric analysis of K562 cells using CD42A mouse mAb (green) and negative control (red).



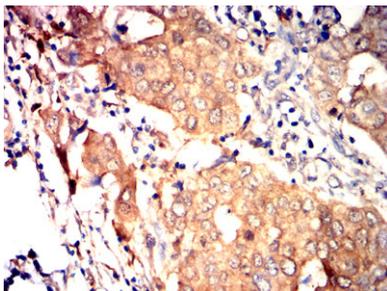
Flow cytometric analysis of THP-1 cells using CD42A mouse mAb (green) and negative control (red).



Flow cytometric analysis of Jurkat cells using CD42A mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CD42A mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using CD42A mouse mAb with DAB staining.