
Product Name: CD109 Mouse Monoclonal Antibody**Catalog #: AMM82693**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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	IHC 1:200-1:1000,ICC 1:20-1:100,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	161.7kDa

Antigen Information

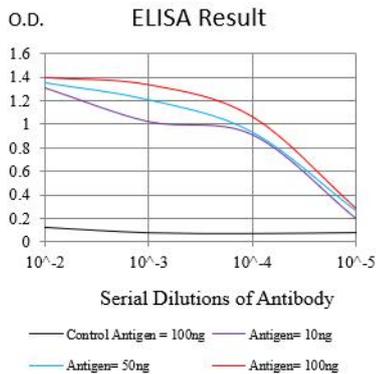
Gene Name	CD109
Alternative Names	p180; r150; CPAMD7
Gene ID	135228.0
SwissProt ID	Q6YHK3
Immunogen	Purified recombinant fragment of human CD109 (AA: extra 1274-1421) expressed in E. Coli.

Background

This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene.

Research Area

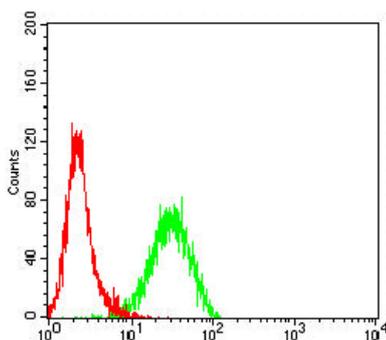
Image Data



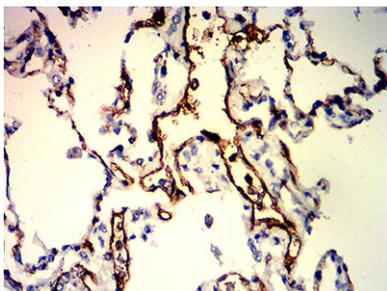
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



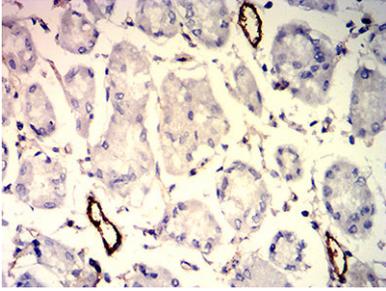
Immunofluorescence analysis of HeLa cells using CD109 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Jurkat cells using CD109 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human lung tissues using CD109 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human stomach tissues using CD109 mouse mAb with DAB staining.