

CD109 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4171
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD109 (AA: extra 1274-1421) expressed in E. Coli.
Mol wt	161.7kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	p180;r150;CPAMD7

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

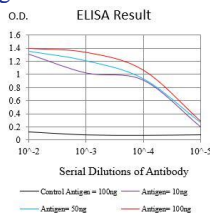
ICC: 1:20 - 1:100

FCM: 1:200 - 1:400

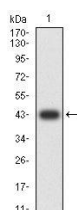
ELISA: 1:10000

Not yet tested in other applications.

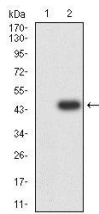
Images



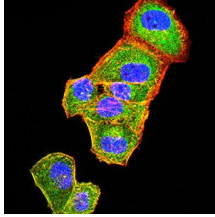
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



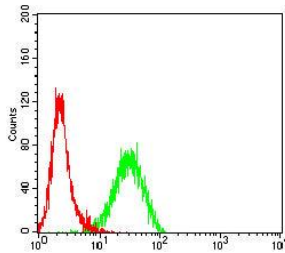
Western blot analysis using CD109 mAb against human CD109 (AA: extra 1274-1421) recombinant protein. (Expected MW is 42.3 kDa)



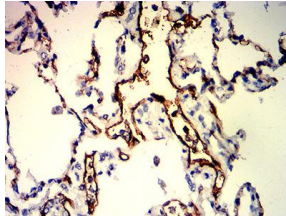
Western blot analysis using CD109 mAb against HEK293-6e (1) and CD109 (AA: extra 1274-1421)-hlgGfc transfected HEK293-6e (2) cell lysate.



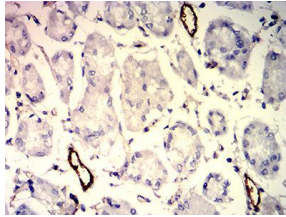
Immunofluorescence analysis of HeLa cells using CD109 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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