

## CD109 Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Antibody   |
| <b>Code</b>                    | BT-MCA4639   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG1   |
| <b>Size</b>                    | 100µL, 50µL  |
| <b>Immunogen</b>               | Purified recombinant fragment of human CD109 (AA: extra 1274-1421) expressed in E. Coli. |
| <b>Mol wt</b>                  | 161.7kDa   |
| <b>Species reactivity</b>      | Others   |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | ICC,FCM  |
| <b>Concentration</b>           | N/A  |
| <b>Full name</b>               | N/A  |
| <b>Synonyms</b>                | 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

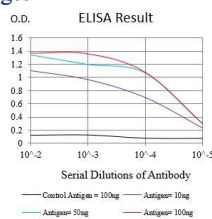
ICC: 1:20 - 1:100

FCM: 1:200 - 1:400

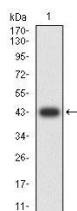
ELISA: 1:10000

Not yet tested in other applications.

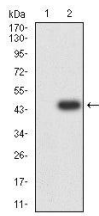
### Images



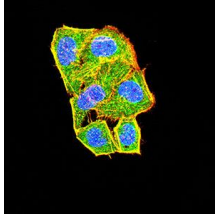
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



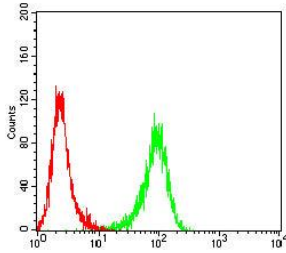
Western blot analysis using CD109 mAb against human CD109 (AA: extra 1274-1421) recombinant protein. (Expected MW is 42.3 kDa)



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).

### Storage

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

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