

CD99 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2233
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD99 (AA: 1-185) expressed in E. Coli.
Mol wt	18.8kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MIC2;HBA71;MIC2X;MIC2Y;MSK5X

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

Background

The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200-1:1000

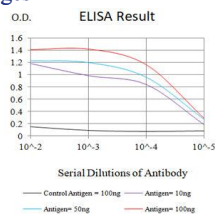
ICC: 1:200 - 1:1000

FCM: 1:200-1:400

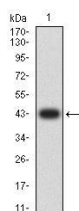
ELISA: 1:10000

Not yet tested in other applications.

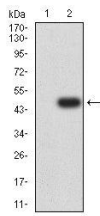
Images



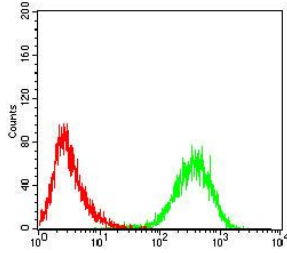
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



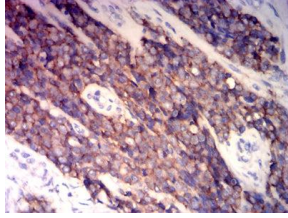
Western blot analysis using CD99 mAb against human CD99 (AA: 1-185) recombinant protein. (Expected MW is 43 kDa)



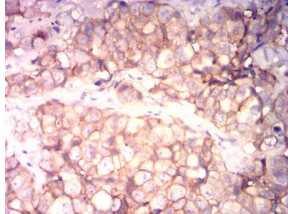
Western blot analysis using CD99 mAb against HEK293-6E (1) and CD99 (AA:1-185)-hIgGFc transfected HEK293-6E (2) cell lysate.



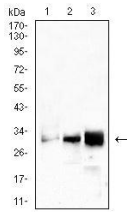
Flow cytometric analysis of Jurkat cells using CD99 mouse mAb (green) and negative control (red).



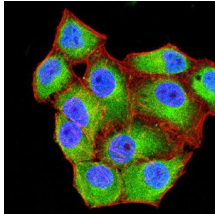
Immunohistochemical analysis of paraffin-embedded ewing sarcoma tissues using CD99 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD99 mouse mAb with DAB staining.



Western blot analysis using CD99 mouse mAb against THP-1 (1), U937 (2), and MOLT4 (3) cell lysate.



Immunofluorescence analysis of HeLa cells using CD99 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)

Storage

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

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