

Anti-CD99 Antibody

Catalog # AP95754

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P14209
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	18848

Additional Information

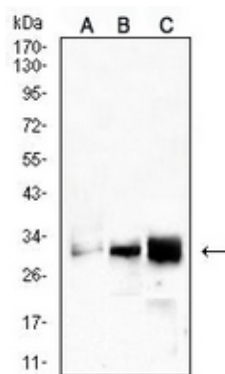
Gene ID	4267
Other Names	MIC, 2; MIC, 2X; MIC, 2Y; CD99 antigen; 12E7; E2 antigen; Protein MIC, 2; T-cell surface glycoprotein E2; CD99
Target/Specificity	Recombinant fusion protein of human CD99 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

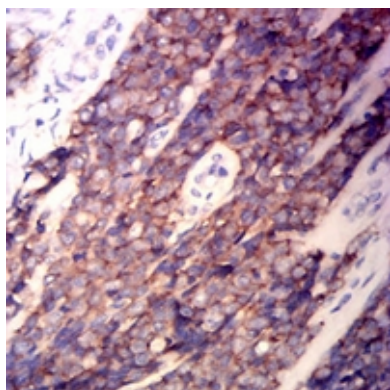
Name	CD99
Synonyms	MIC2, MIC2X, MIC2Y
Function	Involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1. Involved in T-cell adhesion processes (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein

Images

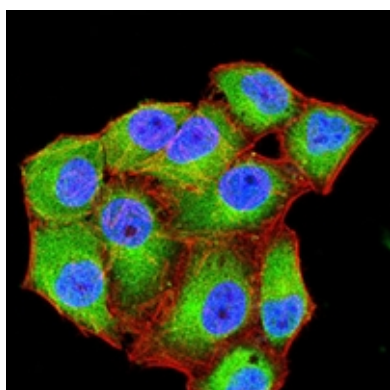
Western blot analysis of CD99 expression in THP1 (A), U937 (B), MOLT4 (C) whole cell lysates. (Predicted band



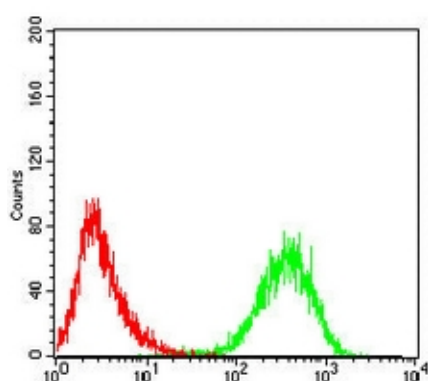
size: 19 kD; Observed band size: 30 kD)



Immunohistochemical analysis of CD99 staining in human ewing sarcoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD99 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of Jurkat cells using Anti-CD99 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.