Product Datasheet

CD99 Rabbit mAb

Catalog No: #49349

Package Size: #49349-1 50ul #49349-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

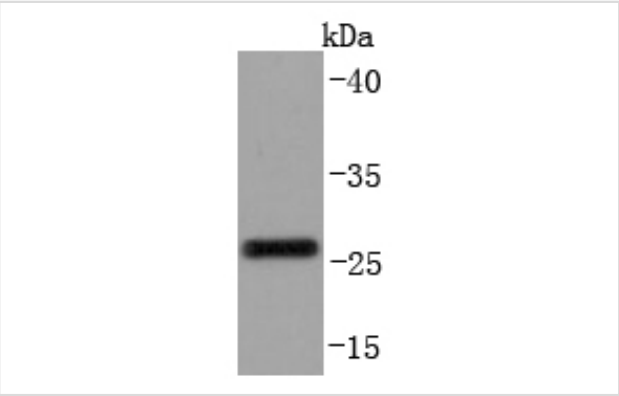
Description

Product Name	CD99 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF0991
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	12E7 antibody Antigen identified by monoclonal 12E7, Y homolog antibody Antigen identified by monoclonal antibodies 12E7, F21 and O13 antibody CD99 antibody CD99 antigen antibody CD99 molecule antibody CD99_HUMAN antibody Cell surface antigen 12E7 antibody Cell surface antigen HBA 71 antibody Cell surface antigen O13 antibody E2 antigen antibody HBA71 antibody MIC 2X antibody MIC 2Y antibody MIC2 (monoclonal antibody 12E7) antibody MIC2 antibody MIC2X antibody MIC2Y antibody MSK5X antibody Protein MIC2 antibody Surface antigen MIC2 antibody T cell surface glycoprotein E2 antibody T-cell surface glycoprotein E2 antibody
Accession No.	Swiss-Prot#:P14209
Uniprot	P14209
GeneID	4267;
Calculated MW	25 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

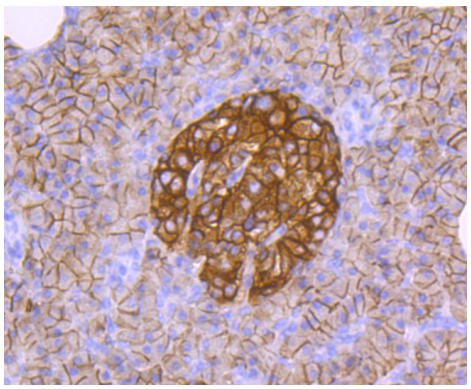
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

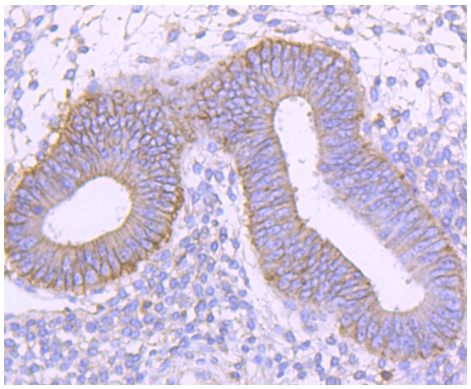
Images



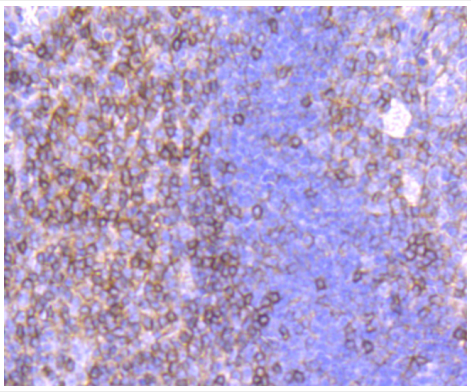
Western blot analysis of CD99 on THP-1 cells lysates using anti-CD99 antibody at 1/1,000 dilution.



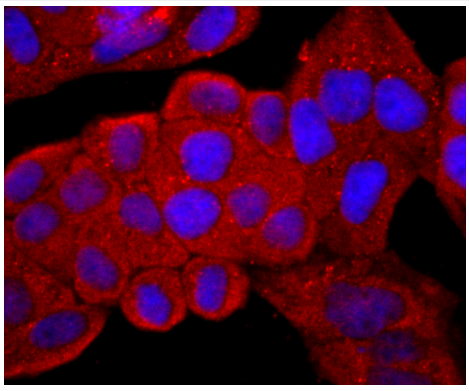
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CD99 antibody. Counter stained with hematoxylin.



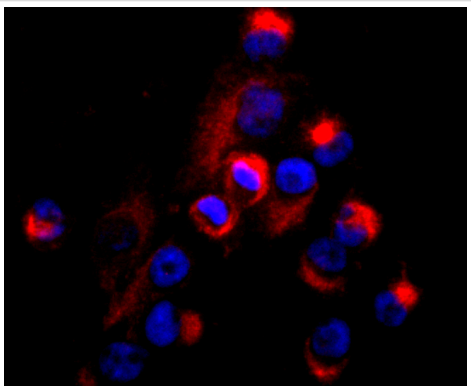
Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD99 antibody. Counter stained with hematoxylin.



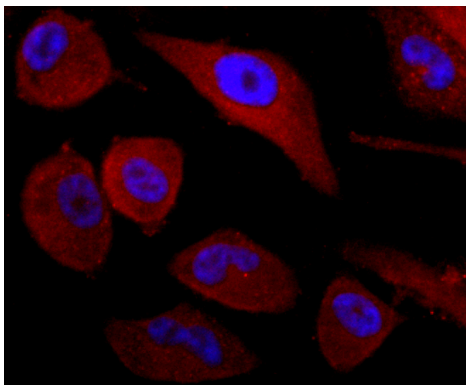
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD99 antibody. Counter stained with hematoxylin.



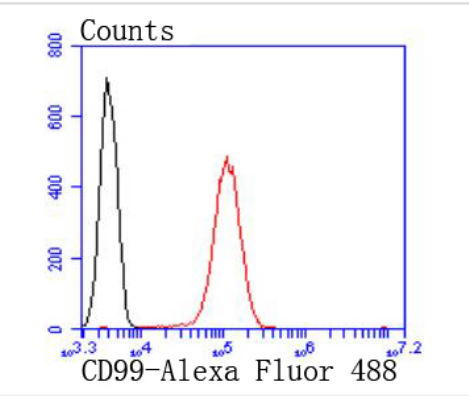
ICC staining CD99 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD99 in PANC-1 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD99 in PC-3M cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with CD99 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

MIC2, also designated CD99, is a T cell surface protein that is involved in the aggregation of lymphocytes. Two forms of MIC2, which are differentially expressed, are produced by alternative splicing. The major form induces cellular adhesion, whereas the truncated form inhibits the adhesion process. MIC2 regulates the LFA-1/ICAM-1-mediated adhesion of lymphocytes. Overexpression of the truncated form results in downregulated expression of LFA-1. Cells with downregulated MIC2 exhibit a Hodgkin's and Reed-Sternberg (H-RS) phenotype, indicating that MIC2 plays an important role in regulating cell function and morphology.

References

Note: This product is for in vitro research use only