

Anti-CD99 Antibody (5Q457)

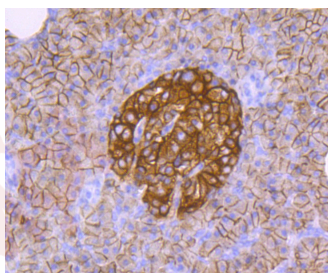
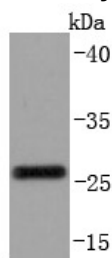
Product Details

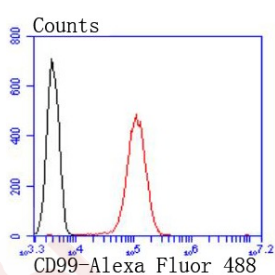
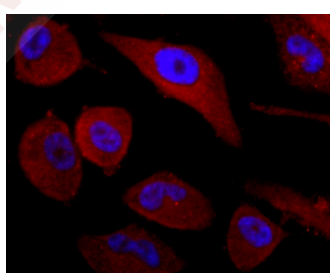
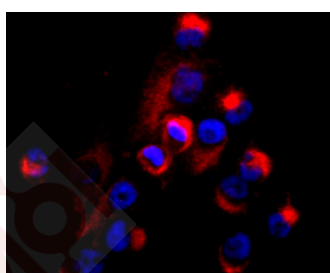
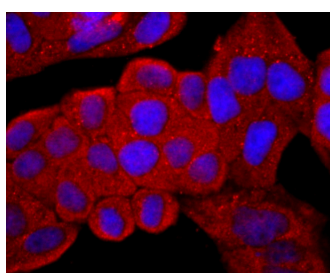
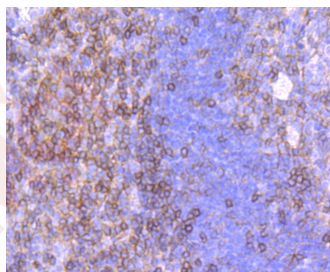
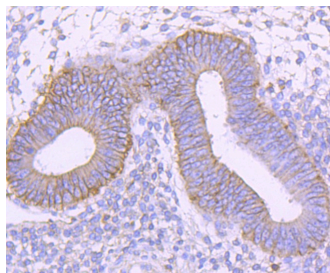
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 25 kDa.
Clone:	5Q457
Purification:	ProA affinity purified

Applications

1. Western blot analysis of CD99 on THP-1 cells lysates using anti-CD99 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-CD99 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD99 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD99 antibody. Counter stained with hematoxylin.
5. 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.
6. 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.
7. 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.
8. 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.

Verified Activity:





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P14209

Synonyms: T-cell surface glycoprotein E2;Protein MIC2;E2 antigen;CD99 antigen;120000000

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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