

CD99 polyclonal antibody

Catalog: BS90264

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

25 kDa (predicted molecular weight: 19 kDa)

Swiss-Prot:

P14209 Human; Q8VCN6 Mouse

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:2,000

ICC:1:200

IHC:1:50-1:200

FC:1:50-1:100

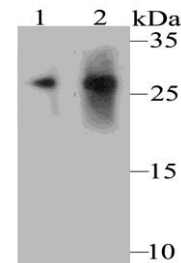
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

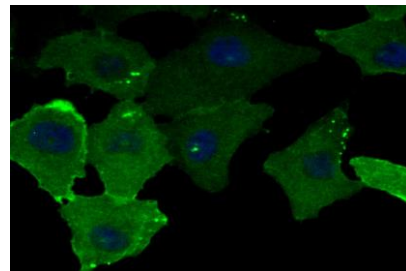
Specificity:

CD99 polyclonal antibody detects endogenous levels of CD99 protein.

DATA:



Western blot analysis of CD99 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SiHa cell lysate; Lane 2: HepG2 cell lysate



ICC staining CD99 in A549 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with ER1803-81 at a dilution of 1:100 for 1 hour at room temperature, washed with PBS. Alexa Fluore™ 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).

Note:

For research use only, not for use in diagnostic procedure.

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