

PRODUCT DATA SHEET

Product: Anti-Fas Ligand mAb, clone 5G51

Cat. No.: MC-138 (100 µg)

Specificity:

This antibody is specific for the extracellular domain of human Fas Ligand.

Cellular Localization:

Extracellular

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Mouse IgG₁

Immunogen:

Recombinant human Fas L (CD95L; APO-1L; CD178) (extracellular domain)

Format:

100 µg at 1 mg/mL antibody in 0.15 M PBS, pH 7.2 with protein stabilizer. Epitope-affinity purified

Purity:

≥95% (SDS-PAGE).

Storage:

Store at 4°C. Do not freeze/thaw. Keep sterile.

Applications and Suggested Dilutions:

- Functional Activity: Neutralizing. Recommend a starting dilution of 1:100.
- Flow cytometry
- Immunohistochemistry: Frozen and paraffin sections.

The optimal dilution for a specific application should be determined by the researcher.

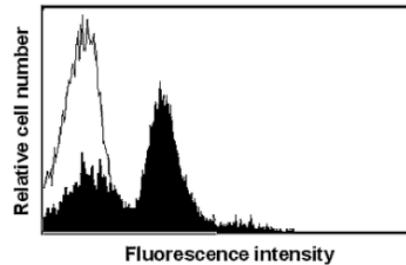


Figure 1: Flow cytometry detection of FasL expression in stimulated H9 T cells.

Method: H9 T cells (1×10^6) were either left untreated (open histogram) or stimulated with 10 ng/mL PMA and 1 µg/mL ionomycin filled histogram). After 12 hours, cells were harvested and stained with anti-FasL clone 5G51 (1 µg/mL), followed by biotinylated goat anti-mouse IgG and streptavidin-PE.

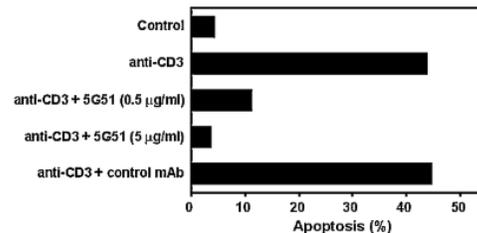


Figure 2: Inhibition of apoptosis in anti-CD3 stimulated Jurkat T cells by anti-FasL.

Method: Jurkat JR cells (2×10^6) were stimulated with plate-bound anti-CD3 antibodies (10 µg/mL) in the presence or absence of the indicated concentrations of anti-FasL 5G51 or a control IgG₁ mouse monoclonal antibody. After 48 hours apoptosis was evaluated by flow cytometry analysis of PI-stained nuclei.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.