



## PRODUCT DATA SHEET

**Product:** Anti-Fas mAb, clone 5F-9

**Cat. No.:** MC-119 (100 µg)

**Background:**

The cell-surface Fas antigen is a 48 kDa transmembrane protein that can mediate apoptosis/programmed cell death and belongs to the nerve growth factor (NGF)/tumor necrosis factor (TNF) receptor superfamily. The human Fas antigen is expressed in various human cells, including activated peripheral T and B lymphocytes, various lymphoid tumor cell lines, some leukemic T cells, and some myeloid cells. It is also differentially expressed on human thymocytes during thymic maturation.

**Specificity:**

Reacts with human Fas antigen.

**Species Reactivity:**

Reacts with human Fas antigen. Reacts with mouse and rat Fas in Western blot.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Immunogen:**

Recombinant human Fas

**Format:**

100 µL of 1 mg/mL (100 µg) monoclonal antibody in 1X PBS, pH 7.2, with 0.01% sodium azide. Purified by Protein A chromatography.

**Storage:**

Store at 4°C short term and -20°C long term. Aliquot to avoid repeated freeze/thaw cycles.

**Applications and Suggested Dilutions:**

- Functional activity: Prevents apoptosis induced by actinomycin D and cycloheximide, but not Fas antigen. Use at 0.5-5 µg/mL on  $2 \times 10^4$  cells grown in DMEM medium with 10% FCS in a microtiter well.
- ELISA: Use at a 1:1,000 dilution.
- Immunoprecipitation: Use at 2-5 µg/10<sup>6</sup> cells.
- Immunohistochemistry: reportedly works for some tissues (frozen) at a 1:50-1:100 dilution (10-20 µg/mL). Recommended diluent is PBS with 2% FCS and 0.01% sodium azide.
- Western blot: Use at 2-5 µg/mL.

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

**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.