



PRODUCT DATA SHEET

Product: Anti-Fas mAb, clone 5F-7

Cat. No.: MC-117 (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 (extracellular portion). Possible weak binding to Fas from rat and mouse. Other species not tested.

Ig Isotype:

Mouse IgG₁

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 for long term. Aliquot to avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- Western blot: Use at a 1:200 - 1:500 dilution (2-5 µg/mL).
- Immunoprecipitation: Use at 2-5 µg/10⁶ cells.
- ELISA: Use at a 1:1,000 dilution.
- Does NOT induce apoptosis.

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.