



PRODUCT DATA SHEET

Product: Anti-Fas (CD95) mAb, clone IPO-4

Cat. No.: MC-061 (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 (CD95).

Species Reactivity:

Human, rat and mouse. Others not tested.

Ig Isotype:

Mouse IgM

Immunogen:

B-lymphoblastoid cell line RPMI-1788

Hybridoma:

Spleen cells from immunized BALB/c mice fused with P3-X-63-Ag8.653 myeloma cells.

Format:

~100 µL of ~1.0 mg/mL monoclonal antibody (100 µg) (see vial label for lot specific volume and concentration) in 1X PBS, pH 7.2, without sodium azide. Purified by Protein G chromatography

Positive Control:

MP-6 cell line or a cell line that does not express TRAIL.

Storage:

Short term (several months), 4°C. For long term, -20°C or below. Aliquot to avoid freeze/thaw cycles. IgM antibodies are very sensitive to repeated freezing and thawing so we recommend not freezing unless absolutely necessary. **Warning: Do NOT freeze if intended use is for the induction of apoptosis.**

Applications and Suggested Dilutions:

- Induction of apoptosis: 0.2-1.0 µg/mL on MP-1 cells. Known to induce apoptosis in the following cell lines: MP-1, T5.1, BJAB, RPMI-1788, 6.16, PC3, ALVA31, T-Cell line HPB-All (lymphoblastic leukemia), Jurkat and Ramos.
- Immunofluorescence: 1-10 µg/mL
- Immunohistochemistry: Frozen sections, 1-10 µg/mL
- Flow cytometry: 0.1-1.0 µg/mL
- Western blot: NOT recommended
- Immunoprecipitation
- ELISA

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.