

# PRODUCT DATA SHEET

**Product:** Anti-Fas mAb, clone 2R2

**Cat. No.:** MC-121 (100 µg)

**Synonyms:**

CD95, APO-1, TNFRSF 6

**Specificity:**

This antibody is specific for human Fas.

**Species Reactivity:**

Human. Other species not tested.

**Ig Isotype:**

Mouse IgG<sub>3</sub>

**Immunogen:**

Mouse L cells stably over-expressing human Fas.

**Format:**

100 µg monoclonal antibody at 1 mg/mL purified from concentrated hybridoma tissue culture supernatant. Prepared in PBS containing protein stabilizer. Protein A-affinity purified. Purity ≥95% by SDS-PAGE.

**Storage:**

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

**Applications:**

- Functional activity: Induces apoptosis, no cross-linking required. Can be used in DISC (death-inducing signaling complex assays): Co-immunoprecipitates FADD and caspase-8 after receptor activation.
- Flow cytometry

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

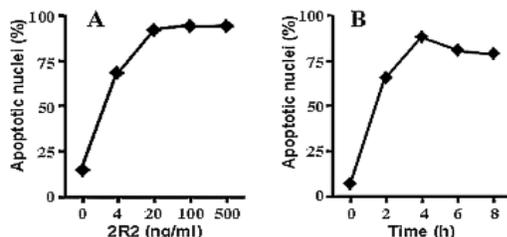


Figure 1. Induction of apoptosis in anti-Fas 2R2 stimulated Jurkat T-cells.

Method: (A) Dose response: Jurkat cells (1x10<sup>5</sup>) were treated with agonistic anti-Fas 2R2 antibody at the indicated concentrations for 24 h. Induction of apoptosis was assessed by PI staining of hypodiploid nuclei and subsequent flow cytometry.

(B) Time course of apoptosis: Jurkat cells (1x10<sup>5</sup>) were treated with 1 µg/mL anti-Fas 2R2. After the indicated time points apoptosis was determined by FACS measurement of hypodiploid DNA.

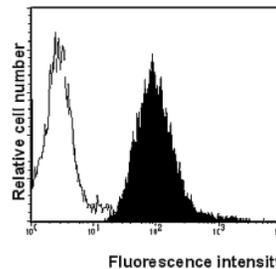


Figure 2. Detection of Fas surface expression by FACS analysis.

Method: Normal L cells (open histogram) and cells stably over-expressing human Fas (filled histogram) were incubated with anti-Fas 2R2 and analyzed by indirect immunofluorescence using PE-labeled secondary antibodies. No immunostaining was obtained with an isotype matched IgG control.

**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.