



## Certificate of Analysis

**Anti-Fas (human, neutralizing), clone ZB4**  
(mouse monoclonal IgG<sub>1</sub>)  
Catalog # 05-338  
Lot # NG1628079

**Immunogen:** Recombinant human Fas. Clone ZB4.

**Specificity:** This antibody recognizes the human cell surface antigen Fas expressed in various human cells, including myeloid cells, T lympho-blastoid cells and diploid fibroblasts. It does not induce apoptosis in cell culture.

**Species Cross-reactivity:** This antibody does not recognize TNF and mouse Fas.

**Formulation:** 100 µg of ammonium sulfate and protein A purified mouse IgG<sub>1</sub>, in 100 µL PBS containing 50% glycerol, Ph 7.2. Store at -20°C.

**Storage and Stability:** Stable for 2 years at -20°C from date of shipment.

**Handling Recommendations:** Upon receipt, and prior to removing the cap, centrifuge the vial and gently mix the solution. Aliquot into microcentrifuge tubes and store at -20°C. **Avoid repeated freeze/thaw cycles, which may damage IgG and affect product performance.** Note: Variability in freezer temperatures below -20°C may cause glycerol-containing solutions to become frozen during storage.

**FOR IN VITRO RESEARCH USE ONLY**  
**NOT FOR USE IN HUMANS OR IN ANIMALS**

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### Quality Control Testing

Representative lot data.

**Neutralization:** 10-500 ng/mL of this lot was incubated for one hour with human Fas-transfected cells and inhibited the anti-Fas (human, activating), clone CH11 (Catalog # 05-201). Cell viability was assessed using a WST-1 assay

**Flow Cytometry:** Use 5-20 µg/mL.

**Immunoblotting:** Use 5 µg/mL.

Tested by an outside laboratory

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### References:

1. Zhang, B., *et al* (2003). Elucidation of molecular events leading to neutrophil apoptosis following phagocytosis: cross-talk between caspase 8, reactive oxygen species, and MAPK/ERK activation. *J Biol Chem* **278**: 28443-54.
2. Lacana, E. and D'Adamio, L. (1999). Regulation of Fas ligand expression and cell death by apoptosis-linked gene 4. *Nat Med* **5**: 542-7.
3. Boirivant, M., *et al* (1996). Stimulated human lamina propria T cells manifest enhanced Fas-mediated apoptosis. *J Clin Invest* **98**: 2616-22.
4. Yonehara, S, *et al* (1994). Involvement of apoptosis antigen Fas in clonal deletion of human thymocytes. *Int Immunol* **6**: 1849-56.

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