

PERFORMANCE DATA SHEET

2937

Monoclonal anti-mouse CD8 alpha (Lyt 2)*

mAb name/Clone: 53-6.72

Isotype: Rat IgG2ak

Immunogen: murine thymocytes/splenocytes

CATALOG#: 260-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Antibody 53-6.72 binds to the alpha subunit of murine CD8 for all mouse strains tested. It is a useful tool for assessing murine CD8α containing recombinant proteins.

References: 1) Ledbetter, J.A., et al. (1979) Immunol. Rev. 47: 63-90.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. *Open under aseptic conditions.*

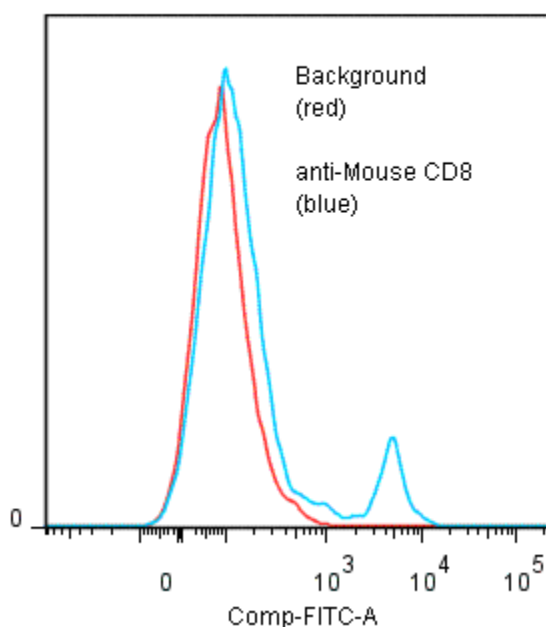
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl. **No preservative added.**

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2 µm filtered and vialled under aseptic conditions.

PERFORMANCE: Reagent was tested for binding to ACK lysed murine splenocytes in FACS. Five x 10⁵ splenocytes per tube were washed and pre incubated with 20µl of 300µg/ml murine IgG (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD8 antibody diluted to 10 µg/ml. Cells were washed twice and incubated with 2^o reagent Goat anti-Rat IgG/FITC, after which they were washed three times, fixed and analyzed by FACS. An **8.8 % sub population** of the cells stained positive with a mean shift of 1.6 log₁₀ fluorescent units when compared to background.

Binding of anti- Mouse CD8 mAb + GAR/FITC to Balb-c splenocytes



* Research use only. Not for use in Diagnostic procedures.