



PERFORMANCE DATA SHEET
1818

Monoclonal anti-mouse CD8 alpha (Lyt 2)/R-PE*

mAb name/Clone: 53-6.72

Isotype: Rat IgG2aκ

Immunogen: murine thymocytes/splenocytes

CATALOG#: 260-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

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.* Do not freeze! Protect from light.

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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein G purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an A₅₆₅/A₂₈₀ ratio of 3.51.

PERFORMANCE: Reagent was tested as a 2° staining reagent for use with CD8 alpha containing recombinant fusion proteins. Optimal signal was observed when 5 x 10⁵ cells per tube were incubated 45 minutes on ice with 80µl of anti-mouse CD8 alpha/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed twice, fixed and analyzed by FACS.

****Research Use Only. Not for use in Diagnostic procedures.***