



## PERFORMANCE DATA SHEET

1818

### ***Monoclonal anti-mouse CD8 alpha (Lyt 2)/FITC\****

***mAb name/Clone:*** 53-6.72

***Isotype:*** Rat IgG2ak

***Immunogen:*** murine thymocytes/splenocytes

**CATALOG#:** 260-040

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per  $5 \times 10^5$ -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 CD8 $\alpha$  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. 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, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (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 a Fluorescein/IgG molar ratio of 6.9.

**PERFORMANCE:** Product was tested as a 2° staining reagent for use with CD8 alpha containing recombinant fusion proteins. Optimal signal was observed when  $5 \times 10^5$  cells per tube were incubated 45 minutes on ice with 80µl of anti-mouse CD8 alpha/FITC 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.***