

# PERFORMANCE DATA SHEET

1920

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

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

**Isotype:** Rat IgG2ak

**Immunogen:** murine thymocytes/splenocytes

**CATALOG#:** 260-060

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2 ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-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.**

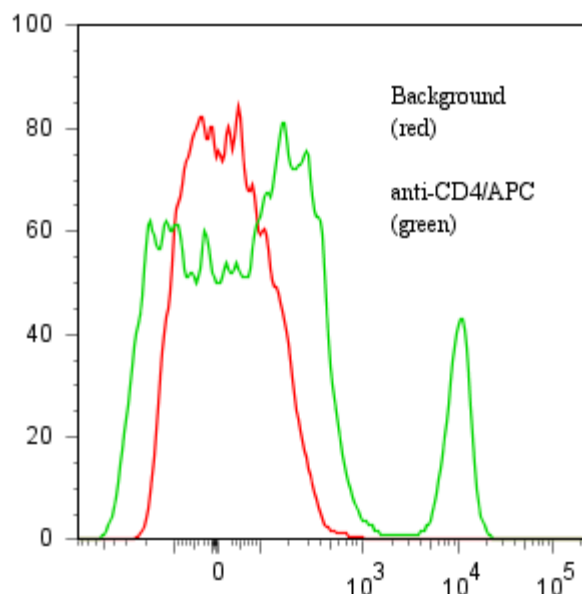
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% 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 **0.1 mg/ml** with an A<sub>650</sub>/A<sub>280</sub> ratio of 2.12.

**PERFORMANCE:** Reagent was tested for binding to ACK lysed murine splenocytes in FACS. Five x 10<sup>5</sup> **splenocytes** per tube were washed and pre incubated with 20 µl of 300 µg/ml Mouse IgG (to block non specific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-Mouse CD8/APC at a **1:50** dilution (2 µg/ml). They were then washed twice, fixed and analyzed by FACS. A **9% sub population** of the cells stained positive with a mean shift of **2.59 log<sub>10</sub>** fluorescent units when compared to background. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-mouse CD8 antibody (Catalog #260-020).

**Binding of anti-Mouse CD8/APC to splenocytes**



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