

**PERFORMANCE DATA SHEET**

1818

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

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

***Isotype:*** Rat IgG2ak

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

**CATALOG#:** 260-030

**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.

**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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

**PRODUCTION:** Antibody from (low FBS containing) tissue culture supernatant was Protein G purified and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

**PERFORMANCE:** Reagent was tested as a 2<sup>o</sup> staining reagent for use with CD8 alpha containing recombinant fusion proteins. Optimal signal was observed when 5 x 10<sup>5</sup> preincubated cells per tube were washed and incubated 45 minutes on ice with 80µl of anti-mouse CD8 alpha/Biotin at a concentration of **10 µg/ml**, after which they were washed twice and incubated with of 2<sup>o</sup> reagent Streptavidin/R-PE (Catalog #253-050). Cells were washed three times, fixed and analyzed by FACS.

***\*This Product is intended for Laboratory Research use only.***