

PERFORMANCE DATA SHEET

0705

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

mAb name/Clone: 53-6.72

Isotype: Rat IgG2aκ

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° staining reagent for use with CD8 alpha containing recombinant fusion proteins. Optimal signal was observed when 5 x 10⁵ 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° reagent Streptavidin/R-PE (Catalog #253-050). Cells were then washed twice, fixed and analyzed by FACS.

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