

PERFORMANCE DATA SHEET

3019

Monoclonal anti- mouse CD8 alpha (Lyt 2)/PE-Cy7*

mAb name/Clone: 53-6.72

Isotype: Rat IgG2ak

Immunogen: murine thymocytes/splenocytes

CATALOG#: 260-070

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

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.

FLORESCENCE: PE-Cy7 is excited by 488 laser. Its E_{max} is 785nm.

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 Cy7-linked R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 250 µg/ml.

PERFORMANCE: Reagent was tested for binding to ACK-lysed murine splenocytes in FACS. Five x 10⁵ 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/PE-Cy7 at a 1:50 dilution (5 µg/ml). They were then washed three times, fixed and analyzed by FACS. An 8.3% sub population of the cells stained positive with a mean shift of 0.9 log₁₀ 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).

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

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Binding of anti-Mouse CD8/PE-Cy7 to ACK-lysed splenocytes

