

PERFORMANCE DATA SHEET

3124

Monoclonal anti-human CD63/FITC *

mAb name/Clone: AHN16.1/46-4-5

Isotype: Mouse IgG1

Immunogen: Human eosinophils

CATALOG#: 215-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

INFORMATION: Human CD63 is expressed on activated platelets and also on monocytes and macrophages. CD63 contains four hydrophobic transmembrane regions and is a member of the tetraspan family. CD63 appears to be involved with cell adhesion and associates with VLA-3 and VLA-6 integrins. Antibody 46-4-5 recognizes the CD63 molecule of about 50 kd.

References: F. Berditchevski, et al, (1995) J Biol Chem 270: 17784-17790. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1352-1364.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. **Protect from light.**

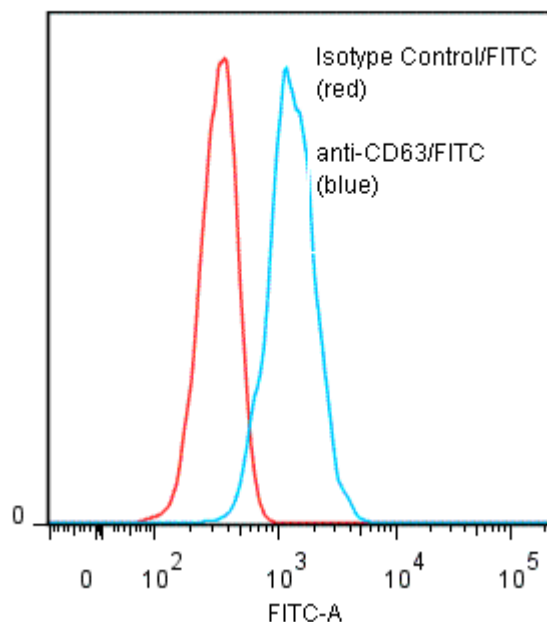
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **1.0 mg/ml** with a Fluorescein/IgG molar ratio of 7.5.

PERFORMANCE: Five x 10⁵ cultured **HPB-MLT** cells were washed and pre incubated 5 minutes with 20µl of human IgG at 250 µg/ml (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD63/FITC at a **1:50** dilution factor (20 µg/ml). They were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.96** log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD63 antibody (Catalog #215-020).

Binding of anti-CD63/FITC to human Raji cells



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

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