

PERFORMANCE DATA SHEET

3319

Monoclonal anti-human CD63/Biotin*

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

Isotype: Mouse IgG1

Immunogen: Human eosinophils

CATALOG#: 215-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

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 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, 5% Glycerol, 0.2% BSA, 0.04% Na₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured **HPB-MLT** human tumor cells were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (to block nonspecific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD63/Biotin at **20 µg/ml**. Cells were washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.65 log₁₀** fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD63 antibody (Catalog #215-020).

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

Binding of anti-CD63/Biotin +SA/PE to human HPB-MLT cells

