PERFORMANCE DATA SHEET
1817

Monoclonal anti-human CD63*

mAb name/Clone: **AHN16.1/46-4-5**
Isotype: Mouse IgG1
Immunogen: Human eosinophils

CATALOG#: 215-020
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 is not recommended.

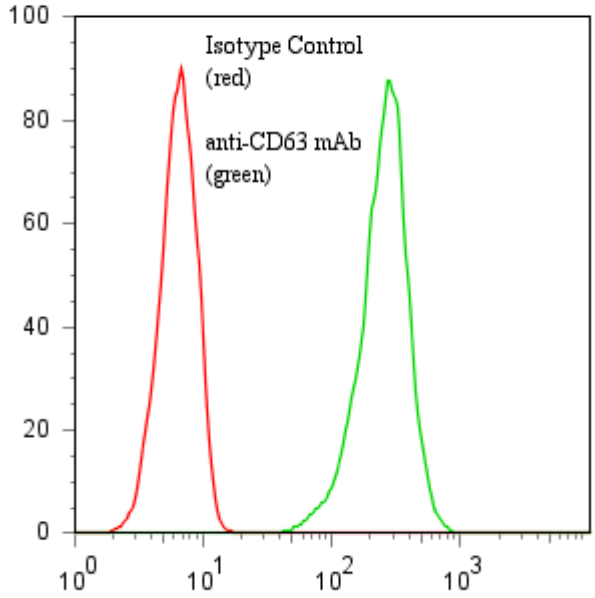
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD63 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.48** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

Binding of anti-CD63 antibody + GAM/FITC to human HPB-MLT cells



This Product is intended for Laboratory Research use only.

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