

## PERFORMANCE DATA SHEET

1817

# Monoclonal anti-human CD63\*

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

**Isotype:** Mouse IgG1

**Immunogen:** Human eosinophils

**CATALOG#:** 215-820 (Preservative-free)

**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. Open under aseptic conditions.

**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.

**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. Product was 0.2 µm filtered and vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<sup>o</sup> 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<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

*\*This Product is intended for Laboratory Research use only.*

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

