

# PERFORMANCE DATA SHEET

3019

## Monoclonal anti-human CD63/R-PE \*

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

**Isotype:** Mouse IgG1

**Immunogen:** Human eosinophils

**CATALOG#:** 215-050

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2 ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-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. 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% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured HPB-MLT human tumor cells were washed and incubated 45 minutes on ice with 80µl of anti-CD63/R-PE at a 1:50 dilution (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.2 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). 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/PE to human HPB-MLT cells

