

**PERFORMANCE DATA SHEET**

1817

**Monoclonal anti-human CD69(AIM)\***

**mAb name/Clone: HP-4B3**

**Isotype:** Mouse IgG2a

**Immunogen:** IL-2 activated human NK cells

**CATALOG#: 221-820 (Preservative Free)**

**QUANTITY: 100 µg**

**CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD69 is expressed by platelets and mature thymocytes and appears rapidly after activation on T cells, B cells and NK cells. This pattern of cellular CD69 expression has suggested a lymphocyte activation role. Functional studies with antibodies to CD69 also support an activation role for CD69. Antibody HP-4B3 recognizes the dimeric CD69 molecule of 60 kd.

**References:** S.F. Ziegler, et al, Stem Cells (1994) **12**: 456-465. R. Testi, et al, Immunol Today (1994) **15**: 479-483. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1123-1132. D. Vanhecke, et al, J Immunol (1995) **155**: 1862-1872.

**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 0.2µ sterile filtered and viald under aseptic conditions.

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **HEL** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD69 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 **0.44** log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

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

**Binding of anti-CD69 Ab to human cell lines**

