

**PERFORMANCE DATA SHEET**

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**Monoclonal anti-human CD166 (ALCAM)\*****mAb name/Clone:** 3A6**Isotype:** Mouse IgG1**Immunogen:** Human thymic epithelial cells**CATALOG#:** 393-020**QUANTITY:** 100 µg**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD166 is a type 1 glycoprotein expressed on activated T cells, B cells and monocytes and appears to be the ligand for CD6 (1,2). Human CD166 may be important for activation of T cells. Antibody 3A6 recognizes the CD166 molecule of 100 kd. Antibody 3A6 blocks binding of CD6 to CD166.

**References:** (1). M.A. Bowen, et al, (1995) J Exp Med 181: 2213-2220. (2). M.A. Bowen, et al, (1996) J Biol Chem 271: 17390-17396. (3). Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 459-465.

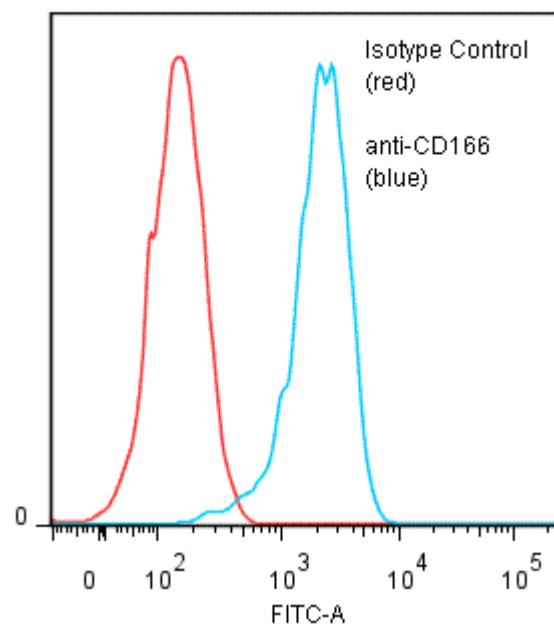
**STORAGE CONDITIONS:** *Store at 2 - 5°C.* Freeze/Thawing is not recommended.

**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 with less than 1% Bovine Immunoglobulin.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured **Raji** cells per tube were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD166 antibody at **10 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 **1.15 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

**Binding of anti-CD166 mAb +GAM/FITC to human Raji cells**

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