**PERFORMANCE DATA SHEET**
**3038**

# *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$^{o}$C***. Freeze/Thawing is not recommended.

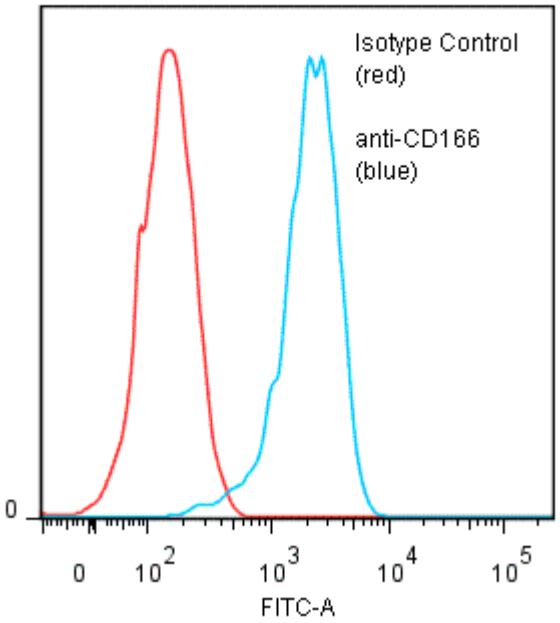
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

**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 $10^5$ 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$^{o}$ 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** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

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