PERFORMANCE DATA SHEET
1818

Monoclonal anti-human CD166 (ALCAM)/R-PE*

mAb name/Clone: 3A6
Isotype: Mouse IgG1
Immunogen: Human thymic epithelial cells

CATALOG#: 393-050
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2 ml**
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10^5-cell test)

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^oC***. Do not freeze! Protect from light.

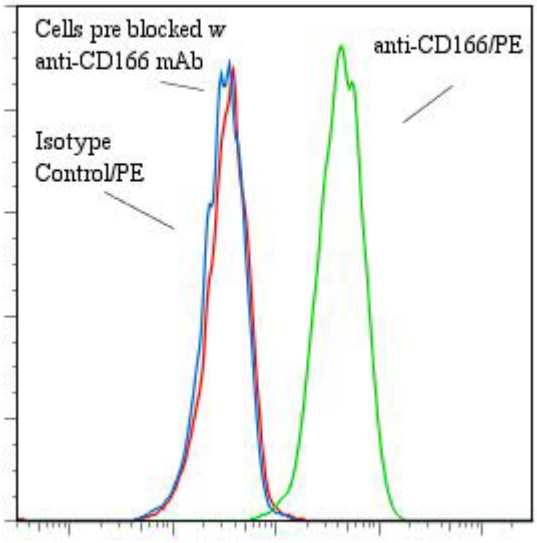
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN_3 (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** with an A_{565}/A_{280} ratio of 3.37.

PERFORMANCE: Human Raji cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD166/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.29** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). Binding was blocked when pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD166 antibody (Catalog #393-020).

Binding of anti-CD166/PE to human Raji cells



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