PERFORMANCE DATA SHEET

2310

Ancell

Monoclonal anti-human CD29 (β1 integrin)/FITC*

mAb name/Clone: **4B7R** *Isotype:* Mouse IgG1κ

Immunogen: Human ocular melanoma cell line, V+B2

CATALOG#: 178-040
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml
WORKING DILUTION: 1:50 (or use 1.6ul of concentrated stock per 5 x 10⁵-cell test)

INFORMATION: Human CD29 is the beta subunit of an integrin family of molecules expressed on diverse cell types which function as the major receptors for extracellular matrix and as cell-cell adhesion molecules. CD29 can form heterodimer pairs with at least nine different alpha subunits. Antibody 4B7R recognizes the CD29 integrin subunit.

References: Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1612-1613.

STORAGE CONDITIONS: *Store at 2 - 5^oC*. 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:_____

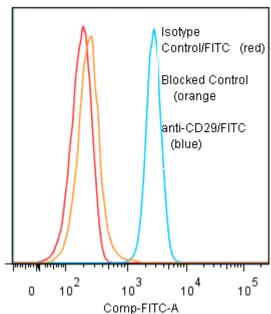
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC.

Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.5 mg/ml** with a Fluorescein/IgG molar ratio of 7.1.

PERFORMANCE: Five x 10⁵ cultured **Nalm-6** cells were incubated 45 minutes on ice with 80 ul of anti-CD29/FITC at a **1:50** dilution (10 ug/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.19** log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040). Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD29 antibody (Catalog #178-020).

Binding of anti-CD29/FITC to human Nalm-6 cells



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

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