PERFORMANCE DATA SHEET
2131

Monoclonal anti-human CD2(LFA-2, T11)*

mAb name/Clone: **UMCD2/IE7E8**
Isotype: Mouse IgG2aκ
Immunogen: Human rheumatoid synovial T cell line (ST-1)

CATALOG#: 143-820 (Preservative-free)
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD2 is a T-lineage glycoprotein with roles in cell-cell adhesion and the transduction of activation signals. Multiple ligands for CD2 include CD58 (LFA-3), CD59, and CD48. CD2 may play a role in regulating T cell anergy. Antibody UMCD2 recognizes the $T11_1$ epitope of the 50 kd human CD2 molecule. Antibody UMCD2 is useful for studying CD2 ligand-binding mechanisms involved with T cell development and activation.
References: K.F. Kozarsky, et al, (1993) Cell Immunol **150:** 235-246. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 342-352. G.M. Bell & J.B. Imboden (1995) J Immunol **155:** 2805-2807.

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

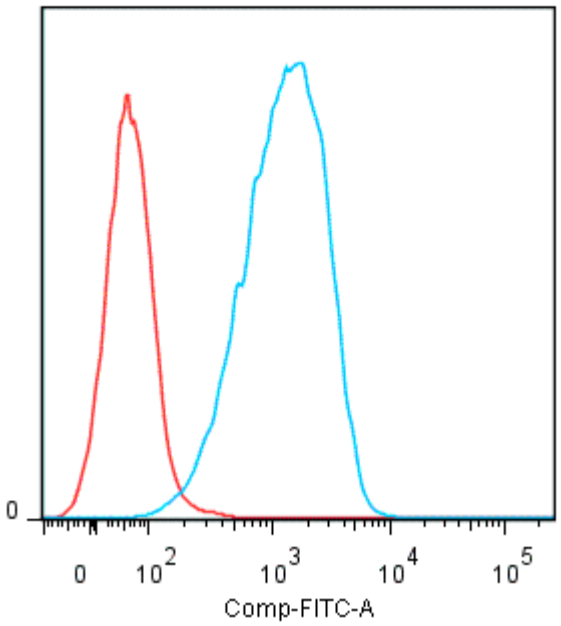
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

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. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

PERFORMANCE: Five x 10^5 cultured **HPB-MLT** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD2 antibody at **5 µg/ml**. Cells were washed twice and incubated with 2° 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 **1.4** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010) at a similar concentration.

Binding of anti-CD2 mAb +GAM/FITC to human HPB-MLT cells



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Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940