PERFORMANCE DATA SHEET 3010 Monoclonal anti-human CD147 (neurothelin/basigin)*



mAb name/Clone: UM-8D6 *Isotype:* Mouse IgG1κ *Immunogen:* Human T cell line Molt 13

CATALOG#: 376-020 QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD147 is a transmembrane glycoprotein expressed more intensely on thymocytes than on mature peripheral blood T cells. Antibody UM-8D6 recognizes the CD147 molecule of about 35-40 kd (2). UM-8D6 inhibits homotypic aggregation, adhesion to matrix proteins and migation through matrigel (1). *References:* 1.) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 760-766. 2.) A.H. Kirsch, et al, (1997) Tissue Antigens 50:147-152.

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:_____

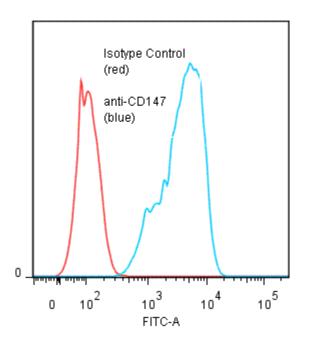
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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 human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD147 antibody at **10 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 **1.59** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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

Binding of anti-CD147 mAb +GAM/FITC to human Raji cell



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