

PERFORMANCE DATA SHEET

3010

Monoclonal anti-human CD147 (neurothelin/basigin)*

mAb name/Clone: UM-8D6

Isotype: Mouse IgG1 κ

Immunogen: Human T cell line Molt 13

CATALOG#: 376-820 (Preservative Free)

QUANTITY: 100 μ g

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 migration 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°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 and contains less than 1% Bovine Immunoglobulin. Product was 0.2 μ m filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 μ l of anti-CD147 antibody at 10 μ g/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 1.59 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

**This Product is intended for Laboratory Research use only.*

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

