

**PERFORMANCE DATA SHEET**

3010

**Monoclonal anti-human CD147 (neurothelin/basigin)\*****mAb name/Clone:** UM-8D6**Isotype:** Mouse IgG1 $\kappa$ **Immunogen:** Human T cell line Molt 13**CATALOG#:** 376-020**QUANTITY:** 100  $\mu$ 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.* 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<sup>5</sup> cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD147 antibody at **10  $\mu$ g/ml**. Cells were washed twice and incubated with 2<sup>o</sup> 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 log<sub>10</sub>** 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**