## PERFORMANCE DATA SHEET

2639

## Monoclonal anti-human CD47 \*



mAb name/Clone: ANC2F6 Isotype: Mouse IgG1

*Immunogen:* Recombinant human CD47 (extracellular Ig domain)

CATALOG#: 198-820 (Preservative-free)

QUANTITY: 100 μg CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD47 (IAP, Integrin Associated Protein) is a broadly expressed Ig superfamily glycoprotein of about 50kD with a long extracellular Ig like domain, 5 transmembrane domains and an alternatively spliced intracellular cterminal domain. It interacts with it ligand SIRP alpha (CD172a, Signal Regulatory Protein) expressed mainly on myeloid cells serving as a negative immune regulator, inhibiting phagocytosis. The CD47-SIRPa axis is being investigated as possible anti-tumor immune intervention point. Clone ANC2F6 binds to an epitope within the extracellular Ig-like domain of human CD47.

**References:** 1) Xiaojuan Liu, Yang-xin Fu, et al. (2017) J Hematol Oncol **10**:12. doi:10.1186/s13045-016-0381-z PMID: 28077173.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>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:\_\_\_\_\_

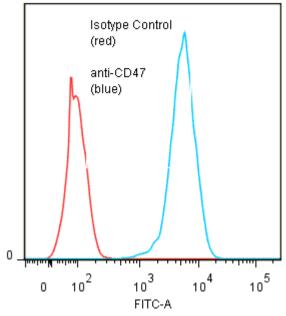
**BUFFER:** mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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 um filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured human CEM cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD47 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 **1.78** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

## Binding of anti-CD47 antibody +GAM/FITC to human CEM cells



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<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.