

PERFORMANCE DATA SHEET

2711

Monoclonal anti-human CD155(PVR)*

mAb name/Clone: ANC2B2

Isotype: Mouse IgG1κ

Immunogen: Recombinant human CD155

CATALOG#: 255-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD155 (Polio Virus Receptor, PVR, Necl-5) is a 70 kd type I Ig superfamily molecule (1). It is involved in formation of intracellular junctions between epithelial cells. Its ligands include CD226(DNAM-1), and CD96(TACTILE). CD155 expression by tumor has been shown to be upregulated by Nitric Oxide(2). A soluble version of CD155 has been shown to exist (4). High CD155 expression has recently been exploited to use engineered poliovirus to treat glioblastoma. (3)

Antibody ANC2B2 binds to cell surface CD155 on U-937 cells, and binds to recombinant CD155 in EIA. Antibodies ANC2B2 and ANC6A3 (Catalog # 350-020) each bind to distinct epitopes of CD155 and are suitable as a matched pair for sandwich EIA.

References: 1) Medelsohn CL, Racaniello VR, et al. (1989) *Cell* **56**(5): 855-65. 2) C Fionda, M Cippitelli, et al. (2015) *BMC Cancer* **15**(1):17 PMID 25609078. 3) Gromeier M, Bigner D, et al. (2014) *Neuro-Oncology* **16**(supp3): iii41. 4) Baury B, MG Denis, et al. (2003) *Biochem Biophys Res Comm* **309**: 175-82.

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

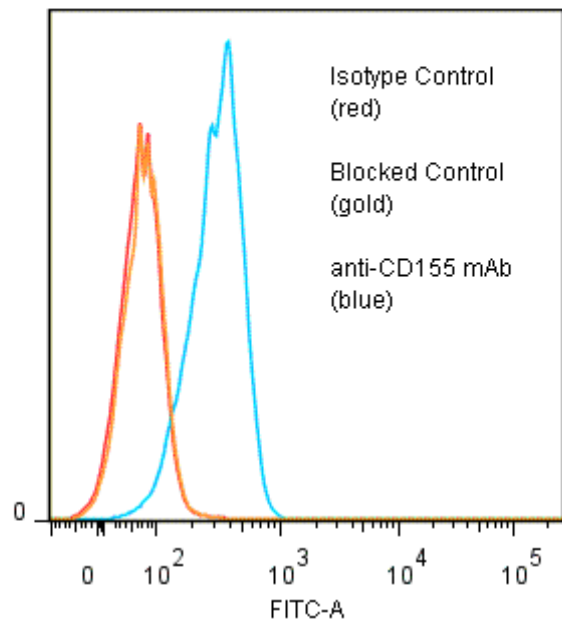
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 µm filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured human U-937 cells per tube were washed and pre incubated ~5 minutes with 20 µl human IgG at 300 µg/ml (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-human CD155/Biotin at a concentration of **10 µg/ml**. Cells were washed twice and incubated with 50 µl of 2^o reagent GAM/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.69 log₁₀** fluorescent units when compared to a Mouse IgG1/Biotin Isotype control (Catalog # 278-030). This binding was blocked when reagent was pre incubated with 100 µg/ml recombinant CD155-muIg (Catalog # 555-020).

Binding of anti-CD155(ANC2B2) +GAM/FITC to human U-937 cells



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