**PERFORMANCE DATA SHEET**
**2632**

# *Monoclonal* anti-human CD155(PVR)/R-PE*

***mAb name/Clone:*** **ANC6A3**
***Isotype:*** Mouse IgG1κ
***Immunogen:*** Recombinant human CD155

**CATALOG#: 350-050**
**QUANTITY: 120 tests** **VOLUME IN VIAL: 0.2ml**
**WORKING DILUTION: 1:50** (or use 1.6µl of concentrated stock per 5 x $10^5$-cell test)

**INFORMATION:** Human CD155 (Polio Virus Receptor, PVR, Necl-5) is a 70 kd type I Ig superfamily molecule (1).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 ANC6A3 binds to cell surface CD155 on U-937 cells, and binds to recombinant CD155 in EIA. Antibodies ANC6A3 and ANC2B2 (Catalog # 255-020) each bind to distict 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.*** **Do not freeze! Protect from light.**

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

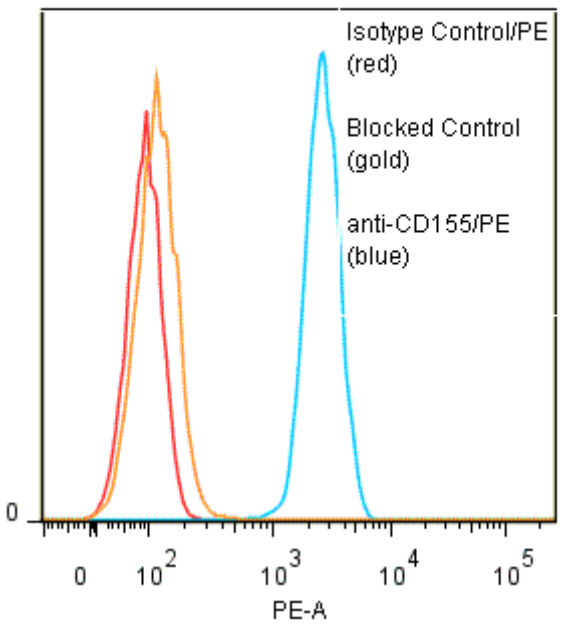
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% $NaN_3$ (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **500 µg/ml** with an $A_{565}/A_{280}$ ratio of 2.46.

**PERFORMANCE:** Five x $10^5$ cultured human **U-937** cells per tube were washed and pre incubated 5 minutes with 20 µl of 300 µg/ml human IgG (to reduce non specific binding) after which they were incubated 45 minutes on ice with 80 ul of anti-human CD155/R-PE at a **1:50** dilution (10 ug/ml). They were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.46** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD155(ANC6A3) antibody (Catalog #350-020).

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

**Binding of anti-CD155/PE to human U-937 cells**

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