

**PERFORMANCE DATA SHEET**

2606

**Monoclonal anti-human CD161/R-PE\***

**mAb name/Clone:** B199.2

**Isotype:** Mouse IgG2b

**Immunogen:** Activated human NK cells

**CATALOG#:** 388-050

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2 ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**INFORMATION:** Human CD161 is a homodimeric disulfide-linked type II membrane bound glycoprotein found mainly on NK cells. CD161 has been implicated in the regulation of NK cell mediated cytotoxicity. Antibody B199.2 recognizes the dimeric 160 kd CD161 molecule.

**References:** : 1. I.M. Bennett, et al, (1996) J Exp Med 184: 1845-1856. 2. L. Azzoni, et al, (1998) J Immunol 161: 3493-3500. 3. Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 307-317.

**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<sub>3</sub> (as a preservative).

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant, and conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **1.0 mg/ml** with an A<sub>565</sub>/A<sub>280</sub> ratio of 2.87.

**PERFORMANCE:** Five x 10<sup>5</sup> ficoll prepared human peripheral blood mononuclear cells per tube were pre incubated 5 minutes with 250 µg/ml human IgG (to block non specific binding), after which they were incubated 45 minutes on ice with 80 µl of anti-CD161/R-PE at a 1:50 dilution (10µg/ml). Cells were washed three times, fixed and analyzed by FACS using a lymphoid gate. A net 8.5% sub population of the cells stained positive with a mean shift of 1.1 log<sub>10</sub> fluorescent units when compared to a Mouse IgG2b/R-PE negative control (Catalog #284-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of anti-CD161 antibody at 0.5 mg/ml (Catalog #388-020).

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

**Binding of anti-CD161/PE to human PBL**

