

**PERFORMANCE DATA SHEET**

1818

***Monoclonal Mouse IgG2b/R-PE\****

*Clone: BPC 4*

**CATALOG#: 284-050**

**CONCENTRATION: 0.5 mg/ml**

**QUANTITY: 100 µg**

**INFORMATION:** Immunoglobulin expressed by the mouse plasmacytoma-hybridoma BPC 4 is an IgG2bk isotype of unknown specificity. It is used as a negative control when working with human cells.

**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:** Immunoglobulin was purified from supernatant using size exclusion and affinity chromatography and conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography.

**PERFORMANCE:** Mouse IgG2b/R-PE was tested as a negative control in Flow cytometry at 10 µg/ml. All cells tested failed to stain or display a significant mean shift above a buffer background.

**Cells tested:** Human PBL, HPB-MLT, Nalm-6, U937, Molt-4, and Raji (cells expressing Fc receptors were pre-blocked with human IgG).

***\*This Product is intended for Laboratory Research use only.*** R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

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