



PERFORMANCE DATA SHEET

2010

*Monoclonal Mouse IgG2a/Biotin**

Clone: RPC 5

CATALOG#: 281-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Immunoglobulin expressed by the mouse plasmacytoma hybridoma RPC 5 is an IgG2a isotype of unknown specificity. It is used as a negative control when working with human cells.

STORAGE CONDITIONS: *Store at 2 - 5°C.* Freeze/thawing 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, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Mouse IgG2a/Biotin was tested as a negative control in Flow cytometry at 5 µg/ml using Streptavidin/R-Phycoerythrin (Catalog #253-050) as a 2^o reagent. All cells tested failed to stain or display a significant mean shift above a buffer background.

Cells tested: Human PBL, CEM, HPB-MLT, Nalm-6, Jurkat, U937, Molt-4, Raji, Daudi and KG-1 (cells expressing Fc receptors were pre-blocked with human IgG).

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