



## PERFORMANCE DATA SHEET

2322

# *Monoclonal Mouse IgG1κ/Biotin\**

*Clone: MOPC 31C*

**CATALOG#:** 278-030

**QUANTITY:** 100 µg

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Immunoglobulin expressed by the mouse plasmacytoma MOPC 31C is an IgG1κ 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 be stable 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% NaN<sub>3</sub> (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 IgG1/Biotin was tested as a negative control in Flow cytometry at 20 µg/ml using Streptavidin R-Phycoerythrin (Catalog #253-050) as a 2<sup>o</sup> reagent. All cells tested failed to stain or display a significant mean shift above a buffer background.

**Cells tested:** Human PBL, HPB-MLT, Nalm-6, and CEM (cell types expressing Fc receptors were pre-blocked with human IgG).

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