

## PERFORMANCE DATA SHEET

1818

### *Monoclonal Mouse IgG1 Fab monomer\**

*Clone: MOPC 31C*

**CATALOG#:** 278-580

**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 is 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. Product was sterile filtered and vialled under aseptic conditions. **No preservative added.**

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Immunoglobulin was enzymatically cleaved using Immobilized Ficin. Fab monomer was separated from F(ab')<sub>2</sub>, intact antibody and Fc fragments using Protein A and Size exclusion chromatography. No intact antibody was observed by SDS-PAGE.

**PERFORMANCE:** Mouse IgG1 Fab was tested as a negative control in Flow cytometry at 20 µg/ml using Goat anti-Mouse IgG/FITC (Cat # 232-010) 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, CEM, HPB-MLT, Nalm-6, Jurkat, KG-1, U937, Molt-4, and Raji (cells were pre-incubated with human IgG to block nonspecific binding).

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