

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')₂, 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^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, KG-1, U937, Molt-4, and Raji (cells were pre-incubated with human IgG to block nonspecific binding).

**This Product is intended for Laboratory Research use only.*

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