

## PERFORMANCE DATA SHEET

1818

### *Monoclonal anti-human CD62P(P-selectin) F(ab')<sub>2</sub>\**

**mAb name/Clone:** G1/G1-4

**Isotype:** Mouse IgG1 $\kappa$

**Immunogen:** Purified human platelet GMP-140 (CD62P)

**CATALOG#:** 252-520

**QUANTITY:** 100  $\mu$ g

**CONCENTRATION:** 1.0 mg/ml

**INFORMATION:** Human CD62P appears on the surface of activated endothelial cells or platelets and likely is involved with regulating the recruitment of leukocytes to areas of inflammation or infection (1, 2). Antibody G1 recognizes the protease sensitive lectin epitope of CD62P (1). Antibody G1 blocks the activated endothelium or platelet-neutrophil interaction (3, 4).

**References:** 1.) G.I. Johnston, et al, (1989) Cell 56: 1033-1044. 2.) J.G. Geng, et al, (1990) Nature 343: 757-760. 3.) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1512-1513 4.) M.R. Elstad, et al, (1995) J Immunol 155: 2109-2122.

**STORAGE CONDITIONS:** *Store at 2 - 5°C. Open under aseptic conditions.* 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. F(ab')<sub>2</sub> was separated from intact antibody and Fc fragments by Protein A and Size exclusion chromatography. No intact antibody was observed by SDS-PAGE.

**PERFORMANCE:** Heparinized human whole blood was activated 20 min RT with 2 $\mu$ M Thrombin Receptor Agonist (TRA) peptide. Five  $\mu$ l of blood per tube were added to 100 $\mu$ l total volume of platelet buffer (10mM HEPES, 1 mM MgSO<sub>4</sub>, 150mM NaCl, pH 7.4) containing **anti-CD62P/R-PE** (Ca t# 252-050) at **5  $\mu$ g/ml** with varying concentrations of competing anti-CD62P F(ab')<sub>2</sub>. Cells were incubated 30 minutes at 4°C, after which they were fixed with 250 $\mu$ l 2% buffered formaldehyde and analyzed by FACS. A sub population of gated platelets stained positive for CD62P/R-PE. **This binding was effectively blocked when 50  $\mu$ g/ml anti-CD62P F(ab')<sub>2</sub> was included in the incubation.**

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