

## SPECIFICATION SHEET

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** P42649F **Lot #:** 7I25012

**Description:** MAb to CD41 gpIIb IIIa  
Monoclonal Antibody to CD41 gpIIb IIIa of Platelet gp135-95kD  
Fluorescein conjugated

**Specificity:** The molecular weight of the recognized antigen is 135-95kDa. Reacts with gpIIb in the intact complex with gpIIIa, but not with gpIIb or gpIIIa, separately. Inhibits platelet aggregation induced by thrombin, collagen and ADP (1,2).

**Clone:** P2

**Host Animal:** Mouse. Hybridization of Sp2/0-Ag14 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgG<sub>1</sub>

**Source:** Ascites

**Immunogen:** Human platelets

**Format:** FITC, Liquid

**Purification:** Ion exchange or affinity chromatography

**Concentration:** Not determined

**Affinity Constant:** Not determined

**Buffer:** PBS, pH 7.2 containing 2mg/ml BSA

**Preservative:** 0.1% Sodium azide

**Applications:** Flow cytometry: 20ul/5 x 10<sup>5</sup> platelets/test. A wash is required to yield optimal results. Bring reagent to 20-25°C prior to use. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store (in the dark) at 2-8° C. **DO NOT FREEZE.**

**Warning:** This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

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**References:**

The references listed below are for research purposes only.

1. Blanchard, D. et al., (1995), "Cell expression and biochemical characterization of platelet antigens recognized by workshop platelet panel MAb", Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S.F., et al., Eds., Oxford University Press, 1225-1229.
2. Phillips, D.R., et al., (1988), "The platelet membrane gIIb/IIIa complex," Blood, **4**, 71, 831-843.
3. Silverstein, R.L. (1995), "Platelet antigens: Section report", Leucocyte Typing V, White Cell Differentiation Antigens. Schlossman, S. F., et al., Eds., Oxford University Press, 1195-1204.

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09/06/12