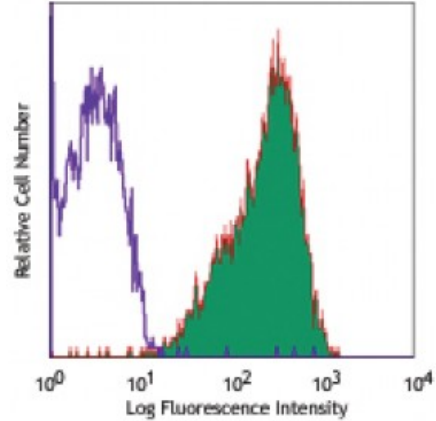


PerCP anti-human CD42b

Catalog # / Size: 2119550 / 100 tests
Clone: HIP1
Isotype: Mouse IgG1, κ
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography, and conjugated with PerCP under optimal conditions. The solution is free of unconjugated PerCP and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number: IV P70
Concentration: Lot-specific



Human peripheral blood platelets stained with HIP1 PerCP

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 2.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.
 * PerCP has a maximum absorption of 482 nm and a maximum emission of 675 nm.
Application Notes: Clone HIP1 recognizes an epitope within the N-terminal region of the GPIIb α chain5. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections, Western blotting, and inhibition of platelet aggregation2. The LEAF™ purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for functional assays (Cat. No. 303908).
Application References: 1. Knapp W, *et al.* 1989. Leucocyte Typing IV. Oxford University Press. New York.
 2. Takahashi R, *et al.* 1999. *Blood*. 93:1951.
 3. Saggi G, *et al.* 2013. *J. Immunol.* 190:6457. [PubMed](#)
 4. Meyer Dos Santos S, *et al.* 2011. *Blood*. 117:4999. (Block) [PubMed](#)
 5. Vettore S, *et al.* 2008. *Haematologica*. 93:1743.

Description: CD42b is a 145 kD glycoprotein known as gplb α . It is covalently bonded to CD42c to form GPIIb. CD42b is expressed on platelets and megakaryocytes. CD42b/c heterodimer forms a complex with CD42a and d and acts as the receptor for von Willibrand factor and thrombin.

Antigen References: 1. Clemetson K, *et al.* 1982. *J. Clin. Invest.* 70:304.
 2. Fox J, *et al.* 1988. *J. Biol. Chem.* 263:4882.
 3. Kuijpers R, *et al.* 1992 *Blood* 79:283.