

PerCP anti-human CD42b

Catalog # / Size: 303909 / 25 tests
303910 / 100 tests

Clone: HIP1

Isotype: Mouse IgG1, κ

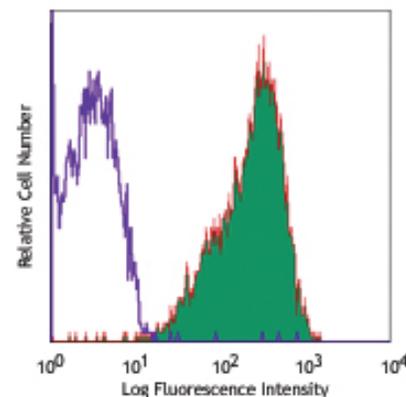
Workshop Number: IV P70

Reactivity: Human, **Cross-Reactivity:** Chimpanzee

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).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood platelets stained with HIP1 PerCP

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 2.0 μg per million cells in 100 μl 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: 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/ μg , Azide-Free, 0.2 μm 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.

Description: CD42b is a 145 kD glycoprotein known as gplb α . It is composed in a heterodimer with a β chain (CD42c, gplb β) through a disulfide bond. 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.

Related Products:

Product	Clone	Application
PerCP Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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