

Product Data Sheet

APC anti-human CD42b

Catalog # / Size: 303912 / 100 tests

Clone: HIP1

Isotype: Mouse IgG1, κ

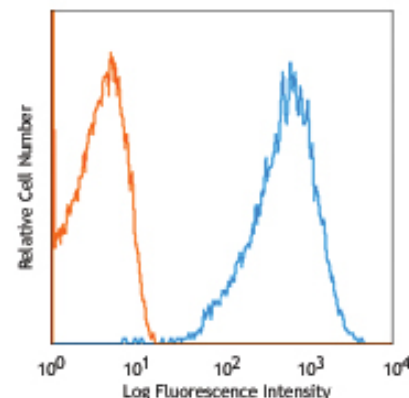
Workshop Number: IV P70

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

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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 APC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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/ 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.

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
APC Mouse IgG1, κ Isotype Ctrl (FC)
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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