

Purified anti-human CD41

Catalog # / Size: 303701 / 25 µg
303702 / 100 µg

Clone: HIP8

Isotype: Mouse IgG1, κ

Workshop Number: IV P38

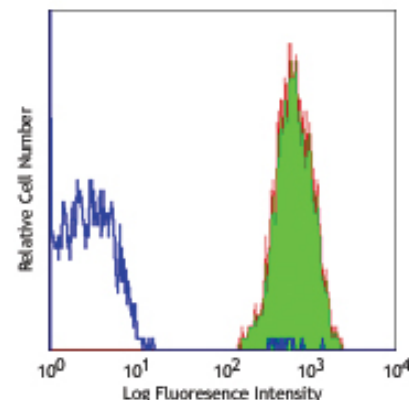
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Capuchin Monkey

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood platelets stained with HIP8, followed by anti-mouse IgGs FITC

Applications:

Applications: FC - *Quality tested*
IHC - *Reported in the literature*
CyTOF® - *Validated*

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.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen tissue sections and blocking of platelet aggregation². The HIP8 antibody has been reported to block the activation of platelets by various stimuli, including collagen, and ADP.

Application References:

- Knapp W, *et al.* 1989. Leucocyte Typing IV. Oxford University Press. New York.
- McCarty OJT, *et al.* 2000. *Blood* 96:1789.
- Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

Description: CD41 is a 125/25 kD α subunit of the gpIIb/IIIa (CD41/CD61) complex. CD41 is a heterodimer composed of a heavy chain (gpIIbα) and light chain (gpIIbβ) linked by a single disulfide bond. It is a member of the integrin family primarily expressed on platelets and megakaryocytes. CD41 has been reported to be involved with platelet aggregation and platelet attachment to the ECM. CD41/CD61 complex acts as the receptor for fibrinogen, fibronectin, Von Willebrand factor, and thrombin.

Antigen References:

- Denzin L, *et al.* 1996. *J. Exp. Med.* 184:2153.
- Denzin L, *et al.* 1995. *Cell* 82:155.
- Riberdy J, *et al.* 1994. *J. Cell Biol.* 125:1225.

Related Products: Product

Purified anti-human CD62P (P-Selectin)
Purified anti-human CD42b
Purified Mouse IgG1, κ Isotype Ctrl
APC Goat anti-mouse IgG (minimal x-reactivity)
Biotin Goat anti-mouse IgG (minimal x-reactivity)
FITC Goat anti-mouse IgG (minimal x-reactivity)
HRP Goat anti-mouse IgG (minimal x-reactivity)
PE Goat anti-mouse IgG (minimal x-reactivity)
Cell Staining Buffer
RBC Lysis Buffer (10X)

Clone

AK4
HIP1
MOPC-21
Poly4053
Poly4053
Poly4053
Poly4053
Poly4053

Application

FC, IHC
FC, IHC, WB
FC, ICFC, ICC, IF, IHC, IP, WB
FC
FC, ELISA, IHC, IF, WB
FC
ELISA, IHC, WB
FC
FC, ICC, ICFC
FC, ICFC



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