

CD41a Monoclonal Antibody (HIP8), PE-eFluor™ 610, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-eFluor™ 610, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIP8
Conjugate	PE-eFluor™ 610
Excitation/Emission Max	565/606 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2848488

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	3 Publications

Product Specific Information

Description: The HIP8 monoclonal antibody reacts with the human CD41 molecule, the integrin alpha IIb also known as platelet GPIIb. CD41 non-covalently associates with integrin beta3 (GPIIIa, CD61) and is expressed by megakaryocytes and platelets. The CD41/CD61 complex is a receptor for fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin and mediates platelets aggregation. HIP8 blocks platelet aggregation.

Applications Reported: This HIP8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIP8 antibody has been pre-diluted and tested by flow cytometric analysis of human platelets. This may be used at 5 µL (0.06 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

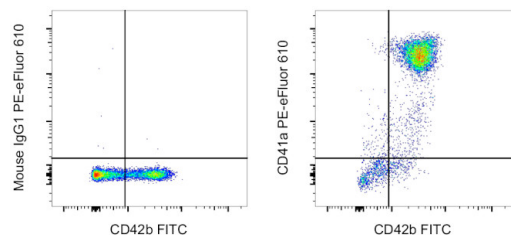
PE-eFluor 610 can be excited with laser lines from 488-561 nm and emits at 607 nm. We recommend using a 610/20 band pass filter (equivalent to PE-Texas Red). Please make sure that your instrument is capable of detecting this fluorochrome.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 607 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser

Product Images For CD41a Monoclonal Antibody (HIP8), PE-eFluor™ 610, eBioscience™



CD41a Antibody (61-0419-42) in Flow
Human platelets were stained with CD42b Monoclonal Antibody, FITC (Product # 11-0429-42) and Mouse IgG1 kappa Isotype Control, PE-eFluor 610 (Product # 61-4714-82) (left) or CD41a Monoclonal Antibody, PE-eFluor 610 (right). Total cells were used for analysis.

View more figures on thermofisher.cn

4 References

Western Blot (1)

<p>Communications biology</p> <p>A substrate-trapping strategy to find E3 ubiquitin ligase substrates identifies Parkin and TRIM28 targets.</p> <p>"61-0419-42 was used in Western Blot to develop an E3 ligase substrate-trapping technique that can identify substrates of E3 ligases."</p> <p>Authors: Watanabe M,Saeki Y,Takahashi H,Ohtake F,Yoshida Y,Kasuga Y,Kondo T,Yaguchi H,Suzuki M,Ishida H,Tanaka K,Hatakeyama S</p>	<p>Year 2020</p> <p>Species Human</p> <p>Dilution 1:2000</p>
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Flow Cytometry (3)

<p>The Journal of experimental medicine</p> <p>Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia.</p> <p>"Published figure using CD41a monoclonal antibody (Product # 61-0419-42) in Flow Cytometry"</p> <p>Authors: Louka E,Povinelli B,Rodriguez-Meira A,Buck G,Wen WX,Wang G,Sousos N,Ashley N,Hamblin A,Booth CAG,Roy A,Elliott N,Iskander D,de la Fuente J,Fordham N,O'Byrne S,Ingloft S,Norfo R,Salio M,Thongjuea S,Rao A,Roberts I,Mead AJ</p>	<p>Year 2021</p>
<p>Cancers</p> <p>Platelet-Derived GARP Induces Peripheral Regulatory T Cells-Potential Impact on T Cell Suppression in Patients with Melanoma-Associated Thrombocytosis.</p> <p>"Published figure using CD41a monoclonal antibody (Product # 61-0419-42) in Flow Cytometry"</p> <p>Authors: Zimmer N,Krebs FK,Zimmer S,Mitzel-Rink H,Kumm EJ,Jurk K,Grabbe S,Loquai C,Tuetttenberg A</p>	<p>Year 2020</p>

[View more Flow references on thermofisher.cn](#)

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