

CD42b Monoclonal Antibody (HIP1), PE, 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, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	HIP1
Conjugate	PE
Excitation/Emission Max	565/576 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_10852864

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	4 Publications
Functional Assay (FN)	-	1 Publication

Product Specific Information

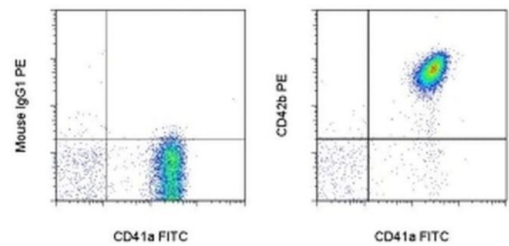
Description: The HIP1 monoclonal antibody reacts with the human CD42b molecule, a 135 kDa transmembrane protein also known as platelet gplb.

Applications Reported: The HIP1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIP1 antibody has been pre-titrated and tested by flow cytometric analysis of human platelets. This can be used at 5 µL (0.5 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.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD42b Antibody (12-0429-42) in Flow
Staining of human platelets with Anti-Human CD41a FITC (Product # 11-0419-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD42b PE (right). Total events were used for analysis.

5 References

Flow Cytometry (4)

<p>Science signaling</p> <p>A cluster of immunoresolvents links coagulation to innate host defense in human blood.</p> <p>"12-0429 was used in Flow cytometry/Cell sorting to explore the relationship between coagulation and the resolution of inflammation and infection by lipid mediators through metabololipidomics-based profiling of human whole blood during coagulation."</p> <p>Authors: Norris PC,Liberos S,Chiang N,Serhan CN</p>	<p>Year</p> <p>2017</p> <p>Species</p> <p>Human</p>
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<p>Genome biology</p> <p>Single-cell profiling of human megakaryocyte-erythroid progenitors identifies distinct megakaryocyte and erythroid differentiation pathways.</p> <p>"12-0429 was used in Flow cytometry/Cell sorting to clarify the cellular hierarchy in human megakaryocyte/erythroid lineage commitment and highlight the importance of using a combination of single-cell approaches to dissect cellular heterogeneity."</p> <p>Authors: Psaila B,Barkas N,Iskander D,Roy A,Anderson S,Ashley N,Caputo VS,Lichtenberg J,Loaiza S,Bodine DM,Karadimitris A,Mead AJ,Roberts I</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Human</p>
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[View more Flow references on thermofisher.com](#)

Functional Assay (1)

<p>Arteriosclerosis, thrombosis, and vascular biology</p> <p>Staphylococcus aureus adhesion via Spa, ClfA, and SdrCDE to immobilized platelets demonstrates shear-dependent behavior.</p> <p>Authors: George NP,Wei Q,Shin PK,Konstantopoulos K,Ross JM</p>	<p>Year</p> <p>2006</p>
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More applications with references on thermofisher.com

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