

CD61 (Integrin beta 3) Monoclonal Antibody (2C9.G3), PE, eBioscience™

Product Details	
Size	100 µg
Species	Mouse, Rat
Published Species	Human, Mouse
Expression System	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2C9.G3
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465718

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	15 Publications

Product Specific Information

Description: The 2C9.G3 (HMb3-1) monoclonal antibody reacts with mouse and rat CD61, also known as the integrin beta3. CD61 is expressed by activated T cells, granulocytes, and platelet. CD61 associates non-covalently with two integrin alpha subunits; alphaV (CD51) to form Vitronectin Receptor and alphaIIb (CD41) to form gpIIb/IIIa. These heterodimeric complexes are responsible for adhesion to extracellular matrix components including fibrinogen, fibronectin, fibronectin, vitronectin, thrombospondin and von Willebrand factor.

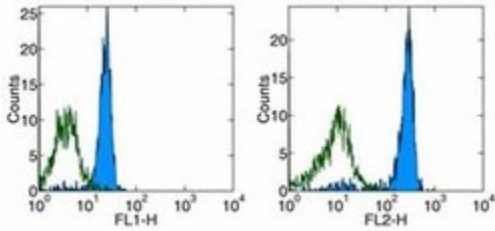
Applications Reported: The 2C9.G3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 2C9.G3 antibody has been tested by flow cytometric analysis of mouse splenocytes and bone marrow cells. This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD61 (Integrin beta 3) Monoclonal Antibody (2C9.G3), PE, eBioscience™



CD61 (Integrin beta 3) Antibody (12-0611-82) in Flow

Staining of mouse bone marrow cells with Armenian Hamster IgG Isotype Control FITC (Product # 11-4888-81) (left, open histogram) or Armenian Hamster IgG Isotype Control PE (Product # 12-4888-81) (left, open histogram) and Anti-Mouse /Rat CD61 (Integrin beta 3) FITC (Product # 11-0611-82) (left, filled histogram) and 0.25 µg of Anti-Mouse/Rat CD61 (Integrin beta 3) PE (right, filled histogram). Cells in the myeloid population were used for analysis.

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15 References

Flow Cytometry (15)

Stem cells (Dayton, Ohio)

Comprehensive Cell Surface Antigen Analysis Identifies Transferrin Receptor Protein-1 (CD71) as a Negative Selection Marker for Human Neuronal Cells.

Authors: Menon V, Thomas R, Elgueta C, Horl M, Osborn T, Hallett PJ, Bartos M, Isacson O, Pruszk J

Species
Human

Dilution
4 µg/mL

Year
2019

Cancer cell

Hoxa9 and Meis1 Cooperatively Induce Addiction to Syk Signaling by Suppressing miR-146a in Acute Myeloid Leukemia.

"12-0611 was used in Flow cytometry/Cell sorting to study the effects of combined Hoxa9/Meis1 over-expression on intracellular signalling, and whether cells transformed by Hoxa9 and Meis1 become addicted to targetable signalling processes."

Authors: Mohr S, Doebele C, Comoglio F, Berg T, Beck J, Bohnenberger H, Alexe G, Corso J, Ströbel P, Wachter A, Beissbarth T, Schnütgen F, Cremer A, Haetscher N, Göllner S, Rouhi A, Palmqvist L, Rieger MA, Schroeder T, Bönig H, Müller-Tidow C, Kuchenbauer F, Schütz E, Green AR, Urlaub H, Stegmaier K, Humphries RK, Serve H, Oellerich T

Species
Mouse

Dilution
Not Cited

Year
2017

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

More applications with references on thermofisher.com

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