

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

Product Details	
Size	50 µg
Species Reactivity	Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2C9.G3
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466487

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	0.125 µg/test	12 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

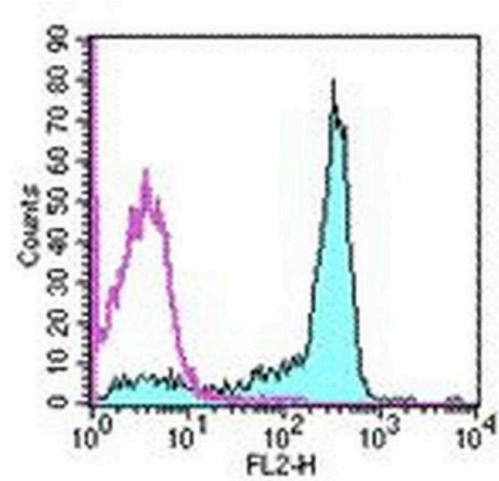
Description: The 2C9.G3 (HmB3-1) monoclonal antibody reacts with mouse and rat CD61, also known as the integrin beta3. CD61 is expressed by activated T cells, granulocytes, and platelet. CD61 associates non-covalently with two integrin alpha subunits; alphaV (CD51) to form Vitronectin Receptor and alphaIIb (CD41) to form gpIIb/IIIa. These heterodimeric complexes are responsible for adhesion to extracellular matrix components including fibrinogen, fibronectin, 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 0.125 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD61 (Integrin beta 3) Antibody (13-0611-81) in Flow
Staining of C57BL/6 bone marrow cells with 0.06 µg of Golden Syrian Hamster IgG Isotype Control Biotin (Product # 13-4914-81) (open histogram) or 0.06 µg of Anti-Mouse/Rat CD61 (Integrin beta 3) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the large scatter population were used for analysis.

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21 References

Western Blot (2)

Scientific reports	Year 2016
WISP1-v3 integrin signaling positively regulates TLR-triggered inflammation response in sepsis induced lung injury.	
"Published figure using CD61 (Integrin beta 3) monoclonal antibody (Product # 13-0611-81) in Neutralization"	
Authors: Chen Z,Ding X,Jin S,Pitt B,Zhang L,Billiar T,Li Q	

The Journal of biological chemistry	Year 2009
Plasminogen activator inhibitor-1 regulates integrin alphavbeta3 expression and autocrine transforming growth factor beta signaling.	
"Published figure using CD61 (Integrin beta 3) monoclonal antibody (Product # 13-0611-81) in Immunofluorescence"	
Authors: Pedroja BS,Kang LE,Imas AO,Carmeliet P,Bernstein AM	

Immunohistochemistry (3)

Molecular therapy oncolytics	Year 2020
A Small Molecule Inhibitor, OGP46, Is Effective against Imatinib-Resistant BCR-ABL Mutations via the BCR-ABL/JAK-STAT Pathway.	Species Human
"13-0611 was used in Flow cytometry/Cell sorting to highlight that OGP46 is active against not only native BCR-ABL but also 11 clinically relevant BCR-ABL mutations, including T315I mutation, which are resistant to imatinib."	
Authors: Wei L,Yang Y,Gupta P,Wang A,Zhao M,Zhao Y,Qu M,Ke Y,Liu Y,Liu HM,Xu X,Sun Y,Chen ZS,Hu Z	

The Journal of pathology	Year 2019
Repurposing an anti-cancer agent for the treatment of hypertrophic heart disease.	
"Published figure using CD61 (Integrin beta 3) monoclonal antibody (Product # 13-0611-81) in Immunohistochemistry"	
Authors: Dukinfield M,Maniati E,Reynolds LE,Aubdool A,Baliga RS,D'Amico G,Maiques O,Wang J,Bedi KC,Margulies KB,Sanz-Moreno V,Hobbs A,Hodivala-Dilke K	

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ICC/IF (3)

Flow (12)

Neu (1)

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