



# CD61 Antibody [2C9.G3]

Cat. No.: 76-181




## Ψ Specifications

<b>HOST SPECIES:</b>	Hamster
<b>SPECIES REACTIVITY:</b>	Mouse, Rat
<b>TESTED APPLICATIONS:</b>	Flow, Func
<b>SPECIFICITY:</b>	The 2C9.G3 monoclonal antibody specifically reacts with the mouse/rat CD61 molecule, known as the integrin beta 3 that forms the vitronectin receptor with CD51.

## Ψ Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Armenian Hamster IgG
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, pH7.2.
<b>CONCENTRATION:</b>	batch dependent
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4 °C . Do not freeze.

<b>OFFICIAL SYMBOL:</b>	Itgb3
<b>ALTERNATE NAMES:</b>	CD61, GP3A, INGRB3, Itgb3
<b>GENE ID:</b>	16416
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

 Background and References

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<b>BACKGROUND:</b>	The 2C9.G3 monoclonal antibody specifically reacts with the mouse/rat CD61 molecule, known as the integrin beta 3 that forms the vitronectin receptor with CD51. The complex binds to other ligands such as fibrinogen, fibronectin, thrombospondin, and von Willebrand factor. It is expressed by granulocytes, platelets, activated T cells, smooth muscle, and a subset of B cells.
<b>REFERENCES:</b>	1) Vaillant, F., Asselin-Labat, M. L., Shackleton, M., Forrest, N. C., Lindeman, G. J., Visvader, J. E. (2008). The mammary progenitor marker CD61/-beta 3 integrin identifies cancer stem cells in mouse models of mammary tumorigenesis. <i>Cancer research</i> , 68(19), 7711-7717.
	2) Yasuda, M., Hasunuma, Y., Adachi, H., Sekine, C., Sakanishi, T., Hashimoto, H., ... Okumura, K. (1995). Expression and function of fibronectin binding integrins on rat mast cells. <i>International immunology</i> , 7(2), 251-258.
	3) Wu, X., Mogford, J. E., Platts, S. H., Davis, G. E., Meininger, G. A., Davis, M. J. (1998). Modulation of calcium current in arteriolar smooth muscle by alpha v-beta 3 and alpha 5-beta 1 integrin ligands. <i>The Journal of cell biology</i> , 143(1), 241-252.

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