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CD61 Antibody [2C9.G3]

Cat. No.: 76-180

CD61 Antibody [2C9.G3]

Specifications

HOST SPECIES:	Hamster
SPECIES REACTIVITY:	Mouse, Rat
TESTED APPLICATIONS:	Flow, Func
SPECIFICITY:	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.

Properties

PURIFICATION:	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.
CLONALITY:	Monoclonal
ISOTYPE:	Armenian Hamster IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ph7.2.
CONCENTRATION:	batch dependent
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C . Do not freeze.

Additional Info

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

Background and References

BACKGROUND:	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.
REFERENCES:	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.Cancer research,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.International immunology,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.The Journal of cell biology,143(1), 241-252.