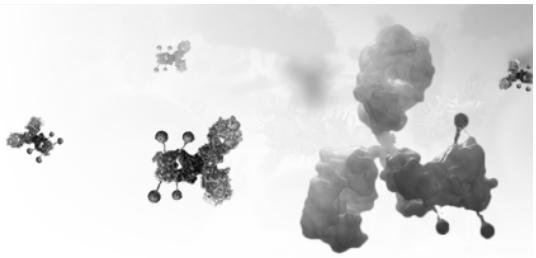

Mouse Anti-Human Integrin Alpha V Beta 3 monoclonal antibody, clone 23C6 (CABT-752319MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Integrin Alpha V Beta 3
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human, African Green, Chicken, Cynomolgus, Rabbit
Clone	23C6
Purification	The antibody was purified by affinity chromatography
Conjugate	Unconjugated
Applications	FC, ICC, IHC-F, IP, BL
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preservative	0.09% sodium azide
Storage	Storage at 2–8 °C
Ship	Wet ice

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BACKGROUND

Introduction	CD51/CD61 is an integrin complex known as αVβ3. It is expressed at high levels on osteoclasts, endothelial cells, and melanoma cells and at low levels on platelets and macrophages. CD51 is a heterodimer composed of disulfide-linked 125 kD and 24 kD proteins. CD61 is also a member of the integrin family known as gpIIIa or β3 integrin. It is a 110 kD common β subunit of CD51/CD61 or CD41/CD61 complex. CD51/CD61, also known as the vitronectin receptor, mediates the binding of platelets to immobilized vitronectin without prior activation. Other ligands include RGD-containing proteins such as fibrinogen, fibronectin, von Willebrand factor (vWf), laminin, thrombospondin and the neural adhesion molecule L1. CD51/CD61 also mediates cell-cell adhesion via interaction with CD31. CD51/CD61 acts as an activation-independent receptor for platelet attachment and spreading on vitronectin and other RGD-containing proteins, including matrix components.
Keywords	Vitronectin receptor; Integrin αV/β3; ITGAV; ITGB3

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