Product Data Sheet: Integrin aVb3

Cat. No:	MAB-10055
Conjugate:	Unconjugated
Size:	100 ug
Clone:	LM609
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Reactivity:	Hu, Bv, Ch, Cat, Rb, Mk
Applications:	Flow Cytometry: suggested dil. 1/50 – 1/100 . Use 10 □l of to label 106 cells.Immunoprecipitation Immunofluorescence: Inhibits adhesion of cells to vitronectin coated surfaces at 1- 25 □g/mL Immunohistochemistry : IHC(frozen Tissues) not effective for IHC(P). Optimal working dilutions must be determined by end user.
Purification:	Purified
Background:	The involvement of integrins in vascular proliferation, adhesion, and wound repair have been well-documented. The integrin family of cell adhesion receptors consists of at least 16 membrane-associated heterodimers, composed of an a and b subunit that associate in a non-covalent manner. The structure and functional diversity of the integrin family are based upon the pairing abilities of the individual a and b subunits. Key to these molecular interactions between the integrin receptors and their respective ligands is the recognition of the Arg-Gly-Asp (RGD) sequence, known to be present in the extracellular matrix components fibronectin, vitronectin, collagen, fibrinogen, and von Willebrand factor. Due to its involvement in angiogenesis, the integrin □V□3 receptor is one of the most intensely studied of the integrin receptors. Monoclonal antibody MAB10055 is reactive with the vitronectin receptor □V□3 complex, an RGD-directed adhesion receptor.
Form:	Liquid
Buffer:	Liquid in 0.02M PB, pH 7.6, 0.25M NaCl containing 0.1% sodium azide
Storage:	Maintain at 2-8 ° C.

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