

## ITGB3

### Mouse Anti-Human Integrin alpha-V beta-3 Clone BV3 mAb

<b>Catalog No.</b>	MON2032	<b>Quantity:</b>	1 ml
<b>Alternate Names:</b>	BDPLT16, BDPLT2, CD61, GP3A, GPIIIa, GT		
<b>Description:</b>	<p>The monoclonal antibody BV3 reacts with human alpha-V/beta-3 integrin present on human endothelium cells. In cell matrix adhesions, clustered integrins (each made up of a noncovalently linked alpha and beta subunit) bind to endothelium cell matrix (ECM) components via their globular head domains. They connect to the actin cytoskeleton via adaptor proteins that bind their short cytoplasmic tails. Cell matrix adhesions also act as signalling units by their capacity to organize the actin cytoskeleton and to accumulate various signaling intermediates. Integrin mediated adhesion regulates the actions of Rho-GTPases, which in turn affect cell-cell adhesion. The converse process can also take place: the activity of Rho-GTPases can be modulated by cadherins in adherens junctions. Besides mediating adhesion to ECM components, integrins participate in the assembly of an ECM. Alpha-V/beta-3 integrin is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and von Willebrand factor.</p>		
<b>Concentration:</b>	100 µg/ml		
<b>Gene ID:</b>	3690		
<b>Host:</b>	Mouse		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	BV3		
<b>Formulation:</b>	<p>1 ml (100 µg/ml) purified antibody solution in PBS + 0.1% BSA + 0.02% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		
<b>Applications:</b>	<p>Immunoassays Immunoprecipitation Flow cytometry</p>		
<b>Application Notes:</b>	<p>For flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.</p>		
<b>Storage &amp; Stability:</b>	<p><b>Centrifuge vial prior to opening.</b> The undiluted antibody should be stored at 2-8°C until expiration date. For prolonged storage, aliquot antibody and store at -20°C. <b>Avoid repeated freeze-thaw cycles.</b></p>		

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