

## Product datasheet for **BM2545**

### CD49b (ITGA2) Mouse Monoclonal Antibody [Clone ID: Gi9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Gi9
Applications:	FC, FN
Recommended Dilution:	Studies of platelets interaction with Collagen. This antibody inhibits the adhesion of platelets to Collagen. Flow Cytometry: 2 µg/5x10e6 platelets/test.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Isolated human platelets.
Specificity:	This antibody recognizes the VLA2 antigen (alpha 2 beta 1 complex) also called Ia/IIa Glycoprotein complex or Collagen Receptor. Reacts with the molecules carrying the Br(a) as well as the Br(b) alloantigen. It reacts with platelets, Megakaryocytes and activated T cells. Does not react with B Lymphocytes, T Lymphocytes, Monocytes, Granulocytes and Red blood cells. The molecular weight of the recognized antigen is 138/115 kDa under non-reducing conditions and 145/126 kDa under reduced conditions.
Formulation:	PBS containing 1 mg/ml BSA as stabilizer without preservatives. State: Azide Free State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 1 ml distilled water.
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at 2-8°C and reconstituted (in aliquots) at -20°C. Avoid repeated freezing and thawing.



[View online »](#)

<b>Stability:</b>	Shelf life: one year from despatch. Addition of 0.09% (w/v) Sodium Azide is recommended for storage up to one month at 2-8°C.
<b>Gene Name:</b>	integrin subunit alpha 2
<b>Database Link:</b>	<a href="#">Entrez Gene 3673 Human P17301</a>
<b>Background:</b>	Integrins are heterodimeric cell surface receptors composed of alpha and beta subunits, which mediate cell-cell and cell-extracellular matrix attachments. They are responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix. Aberrant integrin expression has been found in many epithelial tumours. Changes in integrin expression have been shown to be important for the growth and early metastatic capacity of melanoma cells.
<b>Synonyms:</b>	Integrin alpha-2, ITGA-2, VLA-2 alpha, VLA2, GPIa, Collagen Receptor