

## Product datasheet for **SM2240R**

### CD61 / ITGB3 Hamster Monoclonal Antibody [Clone ID: HM beta 3.1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HM beta 3.1
Applications:	FC
Recommended Dilution:	Flow Cytometry: Neat-1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse, Rat
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Mouse alpha 5 beta 3 protein purified from the mouse hybridoma 2B4. Spleen cells from immunised Armenian hamsters were fused with cells of the P3U1 mouse myeloma cell line.
Specificity:	This antibody recognises the integrin beta 3 subunit (CD61). Clone HM beta 3.1 is reported to partially inhibit the binding of CD61 to fibronectin. We recommend the use of SM2240LE for this purpose.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE State: Lyophilized purified IgG fraction. Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C for one month. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	integrin beta 3
<b>Database Link:</b>	<a href="#">Entrez Gene 16416 Mouse O54890</a>
<b>Background:</b>	CD61 is a 90kD type I membrane protein, which is expressed primarily on megakaryocytes, platelets, monocytes, macrophages, granulocytes and endothelial cells. CD61 associates with either the alpha IIb integrin (CD41) or the alpha V integrin (CD51) to form the platelet glycoprotein complex IIb/IIIa and the vitronectin receptor (VNR) respectively. The heterodimers formed with CD61 are receptors for a variety of ligands including fibrinogen, fibronectin, von Willebrands factor (vWF), vitronectin and thrombospondin.
<b>Synonyms:</b>	Integrin beta-3, GP3A, GPIIIa