

Product datasheet for **SM2240P**

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, IP
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/25 diluted antibody to label 10e6 cells in 100 µl. Immunoprecipitation.
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. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin beta 3
Database Link:	Entrez Gene 16416 Mouse O54890



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Background:

CD61 is a 90kD a 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 receptor for a variety of ligands including fibrinogen, fibronectin, von Willebrands factor (vWF), vitronectin and thrombospondin.

Synonyms:

Integrin beta-3, GP3A, GPIIIa