

## Monoclonal Antibody to CD61 / ITGB3 - FITC

<b>Alternate names:</b>	GP3A, GPIIIa, Integrin beta-3, Platelet membrane glycoprotein IIIa
<b>Catalog No.:</b>	SM2240F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	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 receptors for a variety of ligands including fibrinogen, fibronectin, von Willebrands factor (vWF), vitronectin and thrombospondin.
<b>Uniprot ID:</b>	<a href="#">O54890</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Hamster / IgG
<b>Clone:</b>	HM beta 3.1
<b>Immunogen:</b>	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.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow Cytometry (Neat-1/10): Use 10 µl of of the suggested working dilution to label 10e6 cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	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. <b>Species:</b> Mouse and Rat. Other species not tested.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

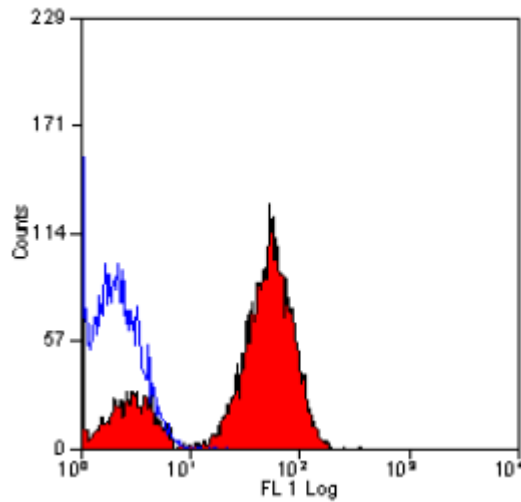
Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General References:** 1. Yasuda, M. et al. (1995) Expression and function of fibronectin binding integrins on rat mast cells. *Int. Immunol.* 7:251-258.

**Pictures:**



Staining of mouse peripheral blood platelets with HAMSTER ANTI MOUSE CD61:FITC (SM2240F).

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