

## Monoclonal Antibody to CD18 / ITGB2 - FITC

<b>Alternate names:</b>	95 subunit beta, Cell surface adhesion glycoproteins LFA-1/CR3/p150, Complement receptor C3 subunit beta, Integrin beta-2, MFI7
<b>Catalog No.:</b>	SM264F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD18 is an integrin. Integrins are integral cell surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA1, and combines with the alpha M chain to form the integrin Mac1. Integrins are known to participate in cell adhesion as well as cell surface mediated signalling. CD18 is expressed by most leucocytes. Defects in the CD18 gene result in leukocyte adhesion deficiency.
<b>Uniprot ID:</b>	<a href="#">Q9II30</a>
<b>NCBI:</b>	<a href="#">NP_036843.1</a>
<b>GeneID:</b>	<a href="#">25021</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	WT.3
<b>Immunogen:</b>	FTL-43. Lymph node cells from immunised BALB/c mice were fused with cells from the PAI mouse myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein A <b>Buffer System:</b> PBS containing 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises CD18 (LFA-1), a 95-100kD cell surface glycoprotein expressed as a heterodimer with CD11a, b or c. Functionally it inhibits homotypic aggregation of PHA blasts. It also blocks binding of rat lymphocytes to purified rat ICAM-1. <b>Species:</b> Rat. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

**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.

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