

## Product datasheet

### anti-CD18 mouse monoclonal, 68-5A5, purified

#### Short overview

<b>Cat. No.</b>	691564
<b>Quantity</b>	1 ml (100 µg/ml)
<b>Concentration</b>	100 µg/ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	68-5A5
<b>Immunogen</b>	Stimulated human leucocytes
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	P05107 (Human)
<b>Synonym</b>	Integrin beta-2, Cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta, Complement receptor C3 subunit beta, CD antigen CD18, ITGB2, CD18, MFI7
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	2-8°C
<b>Intended use</b>	Research use only
<b>Application</b>	FACS, ICC/IF, IHC, WB
<b>Reactivity</b>	Human

#### Applications

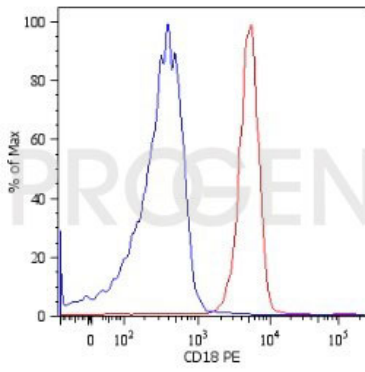
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)
<b>Western Blot (WB)</b>	1:50-1:100 (1-2 µg/ml)

#### Background

It recognizes a transmembrane glycoprotein of 95 kDa, identified as CD18 or integrin-2 (Workshop III). It complexes non-covalently with either L, M, or X integrin (CD11a, b, or c) to form the heterodimers. LFA-1, MAC-1, and p150,95, respectively. LFA-1 is the receptor for three members of the Ig supergene family of proteins, ICAM-1 (CD54), ICCAM-2 (CD102), and Mac-1 and p150,95 bind to ICAM-1, fibrinogen, and IC3b. ICAM-3 (CD50). CD18/CD11 heterodimeric molecules are involved with cell/cell and cell/extracellular adhesion in immune and inflammatory responses. This Mab blocks these cellular interactions. 68-5A5 was clustered at the IIIrd International Workshop on human leucocyte differentiation antigens.

Positive control: human PBL and tonsil.

## Product images



FACS with human granulocytes