

## 30-2208: Anti-CD18 / Integrin beta2 subunit Monoclonal Antibody (Clone:MEM-148)-PE Conjugated

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-148
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	ITGB2
<b>Gene ID :</b>	3689
<b>Uniprot ID :</b>	P05107
<b>Alternative Name :</b>	ITGB2,CD18,MFI7
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Peripheral blood mononuclear cells

### Description

CD18, integrin beta2 subunit, forms heterodimers with four types of CD11 molecule to constitute leukocyte (beta2) integrins: alphaLbeta2 (CD11a/CD18, LFA-1), alphaMbeta2 (CD11b/CD18, Mac-1, CR3), alphaXbeta2 (CD11c/CD18) and alphaDbeta2 (CD11d/CD18). In most cases, the response mediated by the integrin is a composite of the functions of its individual subunits. These integrins are essential for proper leukocyte migration, mediating intercellular contacts. Absence of CD18 leads to leukocyte adhesion deficiency-1; severe reduction of CD18 expression leads to the development of a psoriasiform skin disease. CD18 is also a target of Mannheimia (Pasteurella) haemolytica leukotoxin and is sufficient to mediate leukotoxin-mediated cytolysis.

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

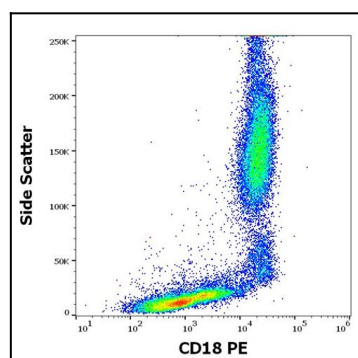


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD18 (MEM-148) PE antibody (concentration in sample 5 µg/ml).

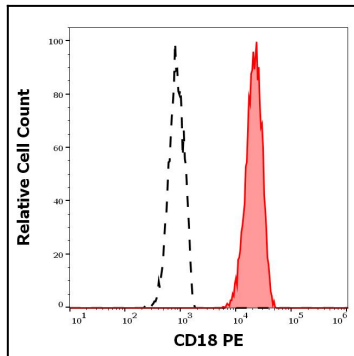


Figure 2: Separation of human neutrophil granulocytes (red-filled) from CD18 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD18 (MEM-148) PE antibody (concentration in sample 5 µg/ml).