

### 30-2821: Anti-Ms CD18 Purified Low Endotoxin

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|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | M18/2  |
| <b>Application :</b>           | FACS   |
| <b>Reactivity :</b>            | Mouse  |
| <b>Gene :</b>                  | Itgb2  |
| <b>Gene ID :</b>               | 16414  |
| <b>Uniprot ID :</b>            | P11835   |
| <b>Alternative Name :</b>      | integrin subunit beta 2 Integrin beta2, Complement receptor C3 subunit beta, ITGB2 |
| <b>Immunogen Information :</b> | Murine cytotoxic T cell glycoproteins  |

#### 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.

Specificity :The rat monoclonal antibody M18/2 recognizes an extracellular epitope of CD18 antigen (integrin beta2 subunit; beta2 integrin), a 95 kDa type I transmembrane protein expressed on all leukocytes.

#### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 0.1 mg  |
| <b>Purification :</b>      | Purified by protein-G affinity chromatography.  |
| <b>Content :</b>           | Concentration: 1 mg/ml<br>Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| <b>Storage condition :</b> | Store at 2-8°C. Do not freeze.  |

#### Application Note

Functional application: Blocking or stimulation.

Flow cytometry: Recommended dilution: 1 µg/ml.