Monoclonal Antibody to CD18 (mouse)  
Purified Antibody (0.1 mg)

Clone: M18/2  
Isotype: Rat IgG2a  
Specificity: The rat monoclonal antibody M18/2 recognizes CD18 antigen (integrin beta2 subunit; beta2 integrin), a 95 kDa type I transmembrane protein expressed on all leukocytes.

Regulatory Status: RUO  
Immunogen: Murine cytotoxic T cell glycoproteins  
Species Reactivity: Mouse  
Negative Species: Canine (Dog)

Application: Flow Cytometry  
Recommended dilution: 1 µg/ml  
Immunoprecipitation  
Western Blotting  
Immunohistochemistry (paraffin sections)  
Immunohistochemistry (frozen sections)  
Functional Application  
Blocking or stimulation

Purity: > 95% (by SDS-PAGE)  
Purification: Purified by protein-A affinity chromatography  
Concentration: 1 mg/ml  
Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

Expiration: See vial label  
Lot Number: See vial label

Background: 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.


*And many other.

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