
Anti-Mouse CD18 FITC

Catalog Number: 11-0181

Also Known As: Integrin beta 2, ITGB2

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Mouse CD18 FITC

REF **Catalog Number:** 11-0181

Clone: M18/2

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains Azide**

Description

The M18/2 monoclonal antibody reacts with mouse CD18, the 90-95 kDa integrin beta 2 glycoprotein. CD18 is the common β subunit that non-covalently associates with CD11a (alpha L), CD11b (alpha M) and CD11c (alpha X) to form LFA-1, Mac-1 and gp150/95. Heterodimers of CD18 and the α subunits are expressed broadly by all leukocytes with NK and T cells showing higher density of surface expression. Through the interactions of LFA-1, Mac-1 and gp150/95 with their counter-receptors, CD18 is involved in cellular adhesion and the immune response.

Applications Reported

The M18/2 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The M18/2 antibody has been tested by flow cytometric analysis of mouse splenocyte and bone marrow cell suspensions. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Sanchez-Madrid, F., P. Simon, et al. Mapping of antigenic and functional epitopes on the alpha- and beta-subunits of two related mouse glycoproteins involved in cell interactions, LFA-1 and Mac-1. J Exp Med 1983. 158(2): 586-602.

Related Products

11-4321 Rat IgG2a K Isotype Control FITC (eBR2a)

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