

anti-mouse CD11b PE-conjugated**Cat-No.: M22127P** **1 ml****Clone:** M1/70.15

Specificity: The anti-mouse CD11b (Mac-1; Ly 40) monoclonal antibody is specific for the 170 kDa a subunit of Mac-1 which mediates adhesion to ICAM-1 (CD54) and C3bi. Mac-1 is expressed on granulocytes, macrophages, natural killer cells and B-1 cells in the peritoneal and pleural cavities.

Mac-1 is up-regulated on neutrophils after activation. This particular clone blocks cell adherence and C3bi binding but does not block cell mediated lysis (1,2,3,4,5,6). Applications include flow cytometry, in vitro and in vivo blocking, immunohistochemistry (acetone-fixed frozen sections), immunoprecipitation and western blotting.

Isotype subclass: Rat IgG2b**Form:** PE conjugated**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:** Flow Cytometry, Immunohistochemistry, Western Blot, in vitro and in vivo blocking**References:**

1. Sanchez-Madrid, F., P. Simon, S. Thompson, et al. 1983. Mapping of antigenic and functional epitopes on the a and b subunits of two related mouse glycoproteins involved in cell interactions, LFA-1 and Mac-1. J. Exp. Med. 158:586-602.
2. Springer, T., G. Galfre, D.S. Secher, et al. 1978 Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. Eur. J. Immunol. 8:539 - 551.
3. Springer, T., G. Galfre, D.S. Secher, et al. 1979. Mac-1: a macrophage differentiation antigen identified by monoclonal antibody. Eur. J. Immunol. 9:301 - 306.
4. Vignali, D.A., et al. 1990. Antibody-Dependent killing of Schistosoma mansoni Schistosomula in vitro by Starch-elicited murine macrophages, J. Immunol. 144: 4030 - 40378.
5. Kantor, A., et al. 1992. Differential development of progenitor activity for three B-cell lineages. Proc. Natl. Acad. Sci. U.S.A. 89: 3320 - 3324.
6. Jutial, M.A., et al . 1988. Ly-6C is a monocyte/macrophage and endothelial cell differentiation antigen regulated by interferon gamma. J. Immunol. 18: 1819 - 1826.

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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