

Monoclonal Antibody to CD11b - PE

Alternate names:	CD11 antigen-like family member B, CR-3 alpha chain, CR3A, Cell surface glycoprotein MAC-1 subunit alpha, ITGAM, Integrin alpha-M, Leukocyte adhesion receptor MO1, MAC1, Neutrophil adherence receptor
Catalog No.:	SM1764R
Quantity:	100 Tests
Background:	The antigen is a heterodimer (160 and 95kD) belonging to the family of adhesion molecules CD11b/CD18, also designated as Mac-1 antigen or CR3.
Uniprot ID:	Q63001
NCBI:	10116
Host / Isotype:	Mouse / IgG1
Clone:	ED8
Immunogen:	Rat spleen cell homogenate with FCA. Spleen cells from immunised BA:B/c mice were fused with cells of the Sp2/O Ag-14 myeloma cell line.
Format:	State: Lyophilized purified IgG Purification: Ion exchange chromatography Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1 ml distilled water
Applications:	Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises a membrane antigen on macrophages, monocytes, dendritic cells and granulocytes. It also recognises small ramified microglia in the central nervous system. No other cell types are positive for ED8. ED7 and ED8 recognise different epitopes on the same molecule. Species: Rat. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Damoiseaux, J.G.M.C. et al. (1989) Heterogeneity of macrophages in the rat evidenced by variability in determinants: two new anti-rat macrophage antibodies against a heterodimer of 160 and 95kD (CD11/CD18). J. Leukoc. Biol. 46: 556-564. 2. De Groot, C.J.A. et al. (1988) Discrimination between different types of neuroglial cells in the rat central nervous system using combined immuno and enzyme- histochemical

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methods. Immunobiology. 178: 177-190.

3. Dijkstra, C.D. and Damoiseaux, J.G.M.C. (1993) Macrophage heterogeneity established by immunohistochemistry. Prog. Histochem. Cytochem. 27: 1-65.

4. Huitinga, I. et al. (1993) Treatment with anti CR3 antibodies ED7 and ED8 suppresses experimental allergic encephalomyelitis in Lewis rats. Eur. J. Immunol. 23: 709-715.

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