

Monoclonal Antibody to CD54 / ICAM1 - FITC

Alternate names:	ICAM-1, Intercellular adhesion molecule 1, Major Group Rhinovirus Receptor
Catalog No.:	SM1138F
Quantity:	100 Tests
Background:	Antigen binding shows that it is expressed on the cell surface of monocytes and at a lower level on lymphocytes. The expression becomes stronger after activation of the lymphocytes.
Uniprot ID:	P05362
NCBI:	9606
Host / Isotype:	Mouse / IgG1
Clone:	84H10
Immunogen:	K562 cell line. Remarks: Spleen cells from immunised BALB/c mice were fused with cells of the MOPC 315 mouse myeloma cell line.
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography Buffer System: PBS containing 0.09% Sodium Azide as preservative and 0.2% BSA as stabilizer Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 20 µl of neat antibody to label 5x10 ⁵ cells or 100 µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the extracellular part of the ICAM-1 molecule. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted 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. Makgoba, M.W. et al. (1988) ICAM-1 is a ligand for LFA-1 dependent adhesion of B, T and myeloid cells. <i>Nature</i> 331: 86-88. 2. Damia, N.K. et al. (1992) ICAM-2, a second counter receptor for CD11a/CD18 provides a costimulatory signal for T-cell receptor-initiated activation of human T-cells. <i>J. Immunol.</i> 148 (3): 665-671. 3. de Fougerolles, A.R. and Springer, T.A. (1992) ICAM-3, a third adhesion counter receptor for LFA-1 on resting lymphocytes. <i>J. Exp. Med.</i> 175: 185-190. 4. Galkowska, H. et al. (1996) Reactivity of Antibodies directed against human antigens

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- with surface markers on canine leukocytes. *Vet. Immunol. Immunopathol.* 53: 329-334.
5. Berendt, A. R. et al. (1992) The Binding Site on ICAM-1 for plasmodium falciparum - Infected Erythrocytes Overlaps, but is Distinct from the LFA-1 - Binding Site. *Cell.* 68: 78-81.
 6. Simmons, D. et al. (1988) ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM. *Nature.* 331: 624-627.
 7. Galkowska, H. et al. (1996) Reactivity of antibodies directed against human antigens with surface markers on canine leukocytes. *Vet. Immunol. Immunopathol.* 53: 329-334.
 8. Berendt, A. R. et al. (1992) The Binding Site on ICAM-1 for Plasmodium falciparum - Infected Erythrocytes Overlaps, but is Distinct from the LFA-1 - Binding Site. *Cell.* 68: 78-81.

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