

## Monoclonal Antibody to CD54 / ICAM1 - FITC

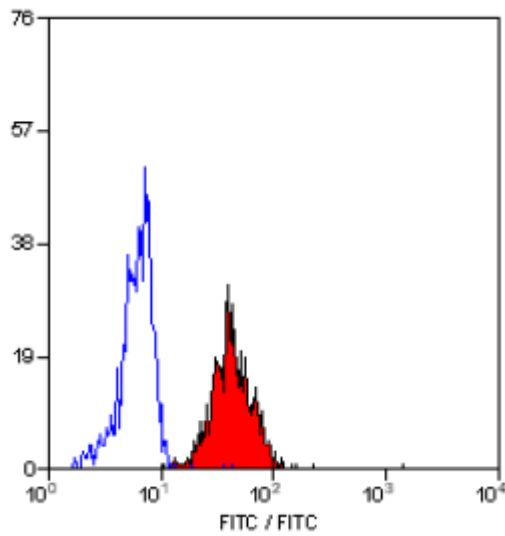
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| <b>Alternate names:</b>    | ICAM-1, Intercellular adhesion molecule 1, Major Group Rhinovirus Receptor   |
| <b>Catalog No.:</b>        | SM1156FT   |
| <b>Quantity:</b>           | 25 µg  |
| <b>Concentration:</b>      | 0.1 mg/ml  |
| <b>Background:</b>         | CD54 is a 90 kD glycoprotein also known as ICAM-1. CD54 is expressed by many cells following activation by inflammatory mediators.   |
| <b>Uniprot ID:</b>         | <a href="#">P05362</a>   |
| <b>NCBI:</b>               | <a href="#">9606</a>   |
| <b>Host / Isotype:</b>     | Mouse / IgG1   |
| <b>Clone:</b>              | 15.2   |
| <b>Immunogen:</b>          | Human monocytes.<br>Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2/O-Ag14 myeloma cell line.   |
| <b>Format:</b>             | <b>State:</b> Liquid purified IgG fraction.<br><b>Purification:</b> Affinity Chromatography on Protein G.<br><b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.<br><b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1   |
| <b>Applications:</b>       | Flow Cytometry: Use 10 µl of Neat antibody to label 10e6 cells in 100 µl.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Specificity:</b>        | This antibody recognises the CD54 cell surface antigen. Clone 15.2 is reported to block CD54 function.<br>We recommend the use of SM1156A for such studies.<br><b>Species:</b> Human.<br>Other species not tested.   |
| <b>Storage:</b>            | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>This product is photosensitive and should be protected from light.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |
| <b>General References:</b> | 1. Dransfield, I. et al. (1992) Interaction of leukocyte integrins with ligand is necessary but not sufficient for function. <i>J Cell Biol.</i> 116:1527-35.<br>2. 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. <i>Cell.</i> 68:71-81. |

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

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Pictures:



Staining of human peripheral blood monocytes with Mouse Anti Human CD54-FITC (SM1156F/FT).

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