Acris Antibodies GmbH

Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

US office:
Acris Antibodies, Inc.
San Diego, CA
UNITED STATES
Phone: +1-858-888-7900
Fax: +1-858-888-7904
US-info@acris-antibodies.com

Monoclonal Antibody to CD54 / ICAM1 - FITC

Alternate names: ICAM-1, Intercellular adhesion molecule 1, Major Group Rhinovirus Receptor

Catalog No.: SM1156F

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: CD54 is a 90 kD glycoprotein also known as ICAM-1. CD54 is expressed by many cells following activation by inflammatory mediators.

Uniprot ID: P05362

NCBI: 9606

Host / Isotype: Mouse / IgG1

Clone: 15.2

Immunogen: Human monocytes.
Spleen cells from immunised BALB/c mice were fused with cells of the mouse Sp2/O-Ag14 myeloma cell line.

Format: **State:** Liquid purified IgG fraction.
Purification: Affinity Chromatography on Protein G.
Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.
Label: FITC – Fluorescein Isothiocyanate Isomer 1

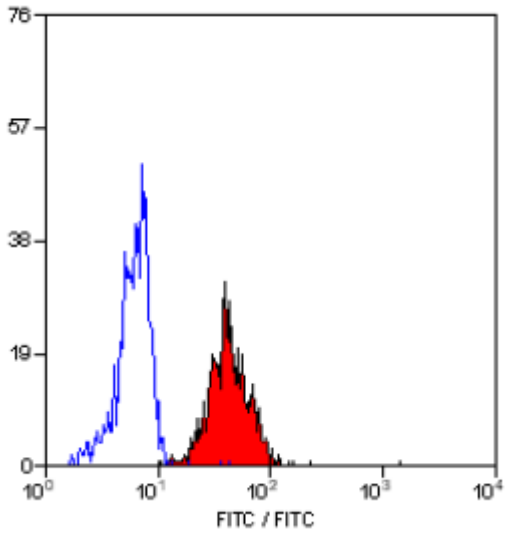
Applications: Flow Cytometry: Use 10 µl of Neat antibody to label 10e6 cells in 100 µl.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises the CD54 cell surface antigen. Clone 15.2 is reported to block CD54 function.
We recommend the use of SM1156A for such studies.
Species: Human.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
This product is photosensitive and should be protected from light.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General References:
1. Dransfield, I. et al. (1992) Interaction of leukocyte integrins with ligand is necessary but not sufficient for function. J Cell Biol. 116:1527-35.
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. Cell. 68:71-81.

Pictures:



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