

ARG62889 anti-CD54 / ICAM1 antibody [1H4] (FITC)

Package: 100 tests, 50 tests
Store at: 4°C

Summary

| | |
|---------------------|--|
| Product Description | FITC-conjugated Mouse Monoclonal antibody [1H4] recognizes CD54 / ICAM1 |
| Tested Reactivity | Hu |
| Tested Application | FACS |
| Specificity | The clone 1H4 reacts with CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 1H4 |
| Isotype | IgG2b |
| Target Name | CD54 / ICAM1 |
| Species | Human |
| Immunogen | Raji cells and spleen cells fused with NS1 cells |
| Conjugation | FITC |
| Alternate Names | CD54; CD antigen CD54; BB2; P3.58; Intercellular adhesion molecule 1; Major group rhinovirus receptor; ICAM-1 |

Application Instructions

| | | |
|-------------------|--|-------------------------------|
| Application table | Application | Dilution |
| | FACS | 20 µl / 10 ⁶ cells |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

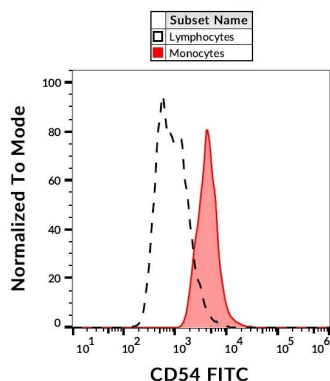
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

| | |
|----------------|--|
| Database links | GeneID: 3383 Human Swiss-port # P05362 Human |
| Gene Symbol | ICAM1 |
| Gene Full Name | intercellular adhesion molecule 1 |
| Background | This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq, Jul 2008] |
| Function | ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation (By similarity). [UniProt] |
| Highlight | Related Antibody Duos and Panels: ARG30162 Cytotoxic T Cell Surface Marker Antibody Panel (FACS) Related products: CD54 antibodies: CD54 ELISA Kits: CD54 Duos / Panels: Anti-Mouse IgG secondary antibodies: |
| Research Area | Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Cytotoxic T Cell Surface Study antibody |
| Calculated Mw | 58 kDa |
| PTM | Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis. |

Images



ARG62889 anti-CD54 / ICAM1 antibody [1H4] (FITC) FACS image

Flow Cytometry: Separation of Human CD54 positive Monocytes (red) from Human CD54 negative Lymphocytes (black-dashed). Human peripheral blood stained with ARG62889 anti-CD54 / ICAM1 antibody [1H4] (FITC).