

## ARG23062 anti-CD54 / ICAM1 antibody [84H10] (FITC)

Package: 50 tests  
Store at: 4°C

### Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [84H10] recognizes CD54 / ICAM1 Mouse anti Human CD54 antibody, clone 84H10 recognizes the D1 domain of ICAM-1. It reacts with the ICAM-1 antigen found in low levels on lymphocytes and strongly expressed on monocytes and granulocytes. This molecule is inducible to high levels by mitogenic lectins on lymphocytes and by IL-1 beta or IFN gamma on other cell types such as fibroblasts and endothelial cells. Detects an antigen of 90kD. Mouse anti Human CD54 antibody, clone 84H10 has been reported to block ICAM1 mediated cellular adhesion and block binding of LFA-1 and P. falciparum to ICAM-1. Mouse anti Human CD54 antibody, clone 84H10 is routinely tested in flow cytometry on rat splenocytes.
Tested Reactivity	Hu, Dog
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	84H10
Isotype	IgG1
Target Name	CD54 / ICAM1
Species	Human
Immunogen	K562 cell line.
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	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>Neat - 1:10</td></tr> </table>	Application	Dilution	FACS	Neat - 1:10
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FACS	Neat - 1:10				
Application Note	<p>FACS: Use 10 µl of the suggested working dilution to label 10<sup>6</sup> cells in 100 µl.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>				

### Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS, 0.1% Sodium azide and 0.2% BSA
Preservative	0.1% Sodium azide
Stabilizer	0.2% 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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]
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.