

## 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 <sup>6</sup> cells

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

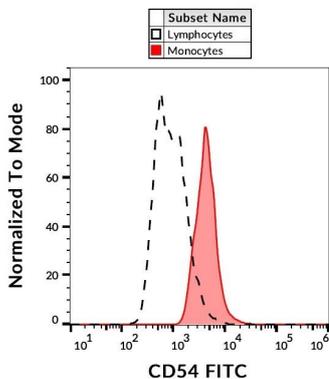
Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free 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.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 3383 Human</a> <a href="#">Swiss-port # P05362 Human</a>
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: <a href="#">ARG30162 Cytotoxic T Cell Surface Marker Antibody Panel (FACS)</a> Related products: <a href="#">CD54 antibodies:</a> <a href="#">CD54 ELISA Kits:</a> <a href="#">CD54 Duos / Panels:</a> <a href="#">Anti-Mouse IgG secondary antibodies:</a>
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).