

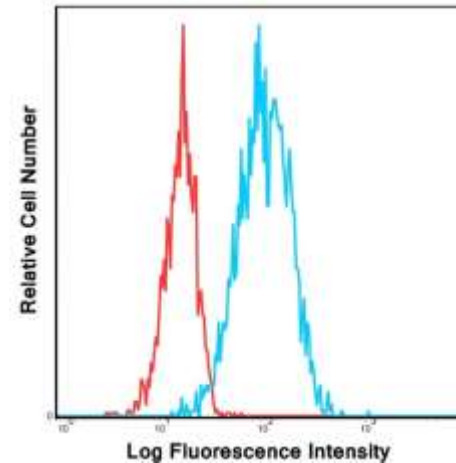
CD54 (ICAM1) FITC Monoclonal Antibody (Clone 15.2)

CATALOG #:	6961-25 6961-100	25 tests 100 tests
ALTERNATE NAMES:	CD54	
HOST:	Mouse	
ISOTYPE:	IgG1	
PURIFICATION:	Affinity chromatography. Unreacted dye removed from the product.	
IMMUNOGEN:	Human CD54	
FORM:	Liquid	
FORMULATION:	Phosphate-buffered aqueous solution pH 7.2, ≤0.09% Sodium azide, may contain carrier protein/stabilizer.	
SPECIES REACTIVITY:	Human	
STORAGE CONDITIONS:	Product should be kept at 2-8°C and protected from prolonged exposure to light. Do not freeze.	

DESCRIPTION: Inter-Cellular Adhesion Molecule 1 (ICAM-1), also known as Cluster of Differentiation 54 (CD54), is a member of the immunoglobulin superfamily, and is a cell surface glycoprotein which is typically expressed in low concentrations on endothelial cells and cells of the immune system. The protein encoded by this gene is a type of intercellular adhesion molecule continuously present in low concentrations in the membranes of leukocytes and endothelial cells. Upon cytokine stimulation, the concentrations greatly increase. ICAM-1 can be induced by interleukin-1 (IL-1) and tumor necrosis factor alpha (TNF α) and is expressed by the vascular endothelium, macrophages, and lymphocytes. ICAM-1 is a ligand for LFA-1 (integrin), a receptor found on leukocytes. When activated, leukocytes bind to endothelial cells via ICAM-1/LFA-1 and then transmigrate into tissues. ICAM-1 has been implicated in subarachnoid hemorrhage (SAH). Levels of ICAM-1 are shown to be significantly elevated in patients with SAH over control subjects in many studies. ICAM-1 expressed by respiratory epithelial cells is also the binding site for rhinovirus, the causative agent of most common colds. The 15.2 antibody reacts with the 85-110 kDa ICAM-1.

APPLICATION: Flow (Cell Surface): 5 μ l/1x10⁶ cells, Volume per test: 5 μ l (0.5 μ g).

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Laser: Blue (488nm)
Peak Emission: 520nm
Peak Excitation: 494nm
Filter: 530/30
Brightness (1=dim, 5=brightest): 3

Human peripheral blood lymphocytes were stained with FITC 15.2 with relevant isotype control in Red.

RELATED PRODUCTS:

- CD-14 Antibody (Clone biG 10) (Cat. No. 3676-100)
- CD40 Antibody (Cat. No. 3072-100)
- CD40L Antibody (Clone 2A12A7) (Cat. No. 5015-100)
- CD-14, human recombinant (Cat. No. 4937-10)
- CD-14, mouse recombinant (Cat. No. 4938-10)
- CD40Ligand/TRAP, human recombinant (Cat. No. 4014-10, -50, -1000)
- CD40Ligand/TRAP, murine recombinant (Cat. No. 4015-10, -50, -1000)

FOR RESEARCH USE ONLY! Not to be used on humans.