10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody

Catalog # ATB10115

Specification

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Product Information

Application	**FC**
Isotype	**Mouse IgG1**
Concentration	**5 uL (0.5 ug)/test**
Reactivity	**Human**
Formulation	**10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2**
Host	**Mouse**

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Additional Information

Gene ID	**3383**
Gene Name	**ICAM1**

Alternative Name(s)
Intercellular adhesion molecule-1, ICAM1

Format
FITC

Preparation
This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Application Notes
This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 uL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 uL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

Storage Conditions
2-8°C protected from light

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Protocols

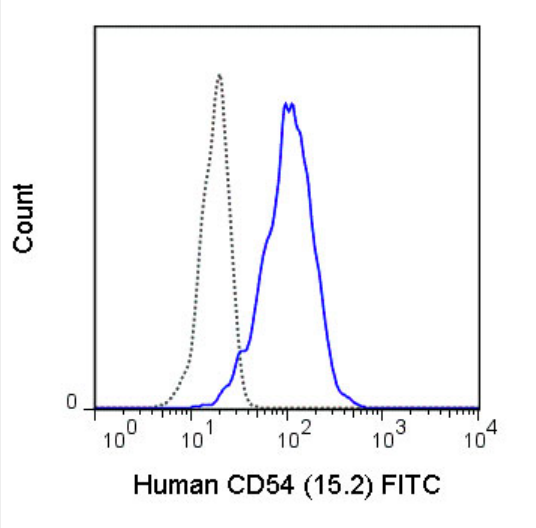
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Images



Human peripheral blood monocytes were stained with 5 uL (0.5 ug) FITC Anti-Human CD54 (ATB10115) (solid line) or 0.5 ug FITC Mouse IgG1 isotype control.

FITC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Background

The 15.2 antibody reacts with human CD54, also known as ICAM-1 (Intercellular Adhesion Molecule 1), a 90-110 kDa cell surface glycoprotein that is inducibly expressed on both immune and endothelial cells. As its name implies, ICAM-1 participates in cell-cell adhesion between leukocytes and endothelial cells, facilitating leukocyte recruitment and transmigration at sites of inflammation. The ligands for ICAM-1 are also expressed on leukocyte and endothelial cells, and include Mac-1, fibrinogen, and a member of the integrin protein family, LFA-1 (CD11a).The 15.2 antibody may be used for analysis of ICAM-1 expression in human cells and tissues, and is reported to be cross-reactive with porcine ICAM-1.