

**PE Anti-Human CD54 (ICAM-1) (15.2) Antibody**  
Catalog # ATB10189

**Specification**

**PE 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 NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% Na <sub>3</sub> N, 0.1% gelatin, pH7.2
Host	Mouse

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

Gene ID	3383
Gene Name	ICAM1
<b>Alternative Name(s)</b>	
Intercellular adhesion molecule-1, ICAM1	

**Format**  
PE

**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 1x10<sup>5</sup> to 1x10<sup>8</sup> cells.

**Storage Conditions**

2-8°C protected from light

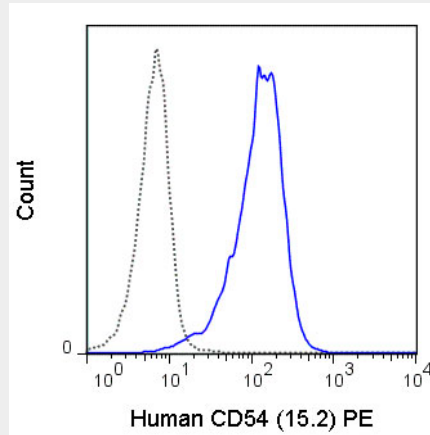
**PE Anti-Human CD54 (ICAM-1) (15.2) Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PE Anti-Human CD54 (ICAM-1) (15.2) Antibody - Images**



Human peripheral blood monocytes were stained with 5 uL (0.5 ug) PE Anti-Human CD54 (ATB10189) (solid line) or 0.5 ug PE Mouse IgG1 isotype control.

#### **PE 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.