

APC Anti-Human CD54 (ICAM-1) (15.2) Antibody
Catalog # ATB10030

Specification

APC 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 ₂ PO ₄ , 150 mM NaCl, 0.09% Na ₂ S ₂ O ₃ , 0.1% gelatin, pH7.2
Host	Mouse

APC 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
APC

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 1x10⁵ to 1x10⁸ cells.

Storage Conditions

2-8°C protected from light

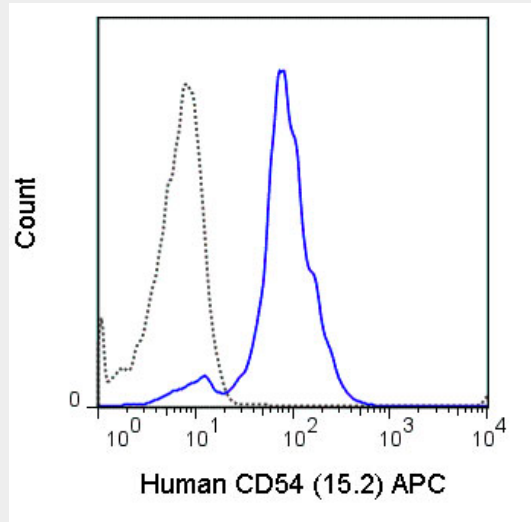
APC Anti-Human CD54 (ICAM-1) (15.2) Antibody - Protocols

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](#)

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



Human peripheral blood monocytes were stained with 5 uL (0.5 ug) APC Anti-Human CD54 (ATB10030) (solid line) or 0.5 ug APC Mouse IgG1 isotype control.

APC 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.