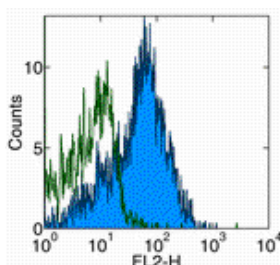


## Anti-Human CD54 (ICAM-1) Functional Grade Purified

**Catalog Number:** 16-0549

**Also Known As:** Intercellular adhesion molecule-1, ICAM1

**RUO: For Research Use Only**



Staining of normal human peripheral blood cells with Anti-Human CD54 (ICAM-1) PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

### Product Information

**Contents:** Anti-Human CD54 (ICAM-1) Functional Grade Purified

**REF** **Catalog Number:** 16-0549

**Clone:** HA58

**Concentration:** 1 mg/ml

**Host/Isotype:** Mouse IgG1,  $\kappa$

**HLDA Workshop:** VI A095

**Handling Conditions:** Use in sterile environment.

**Endotoxin Level:** Less than 0.001 ng/ $\mu$ g antibody, as determined by the LAL assay.

**Formulation:** aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

### Description

The HA58 monoclonal antibody reacts with human CD54 (InterCellular Adhesion Molecule-1, ICAM-1), a 90-110 kDa transmembrane glycoprotein expressed by monocytes, lymphocytes and endothelial cells. Expression of CD54 is upregulated on activated lymphocytes. Interaction of CD54 with its ligand CD11a is important in the inflammatory response.

### Applications Reported

The HA58 antibody has been reported for use in flow cytometric analysis. HA58 has also been reported in blocking of *in vitro* mixed lymphocyte reaction.

### Applications Tested

The HA58 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 0.25  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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**Related Products**

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified

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