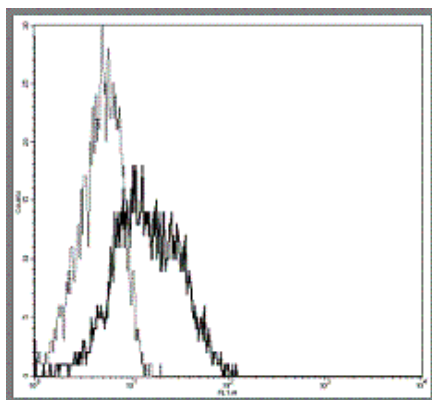


Anti-Human CD54 (ICAM-1) Purified

Catalog Number: 14-0549

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) Purified followed by Anti-Mouse IgG FITC (cat. 11-4011).

Product Information

Contents: Anti-Human CD54 (ICAM-1) Purified

 Catalog Number: 14-0549

Clone: HA58

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: VI A095

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

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

This HA58 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunohistochemical staining. HA58 has also been reported in blocking of *in vitro* mixed lymphocyte reaction. (Please use Functional Grade purified HA58 in functional assays.) (Please use Functional Grade purified HA58, cat. 16-0549, in functional assays.)

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 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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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Davis DM, Chiu I, et al. 1999. The human natural killer cell immune synapse. Proc Natl Acad Sci U S A. 96(26):15062-7. (IHC, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified

17-4317 Streptavidin APC

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