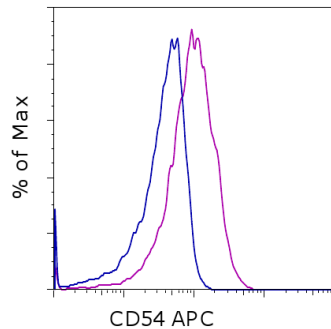


Anti-Human CD54 (ICAM-1) APC

Catalog Number: 17-0549

Also known as: Intercellular adhesion molecule-1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD54 (ICAM-1) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information



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

Catalog Number: 17-0549

Clone: HA58

Concentration: 5 μ L (0.5 μ g)/test

Host/Isotype: Mouse IgG1, kappa

HLDA Workshop: VI A095



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

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.



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

This HA58 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HA58 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.5 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.

References

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Kanwar JR, Berg RW, et al. 2003. Requirements for ICAM-1 immunogene therapy of lymphoma. Cancer Gene Ther. 10(6):468-76. (WB, PubMed)

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Bao J, Sato K, et al. 2001. PR-39 and PR-11 peptides inhibit ischemia-reperfusion injury by blocking proteasome-mediated I kappa B alpha degradation. *Am J Physiol Heart Circ Physiol.* 281(6):H2612-8. (WB, PubMed)

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

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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