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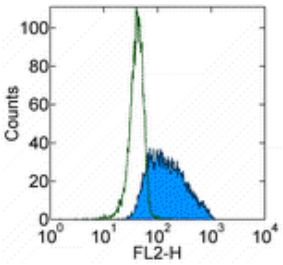
Anti-Human CD62E (E-Selectin) PE

Catalog Number: 12-0627
Also Known As: LECAM-2
RUO: For Research Use Only. Not for use in diagnostic procedures.



Human Umbilical Vein Endothelial Cells (HUVEC) were activated with Human TNF alpha Recombinant Protein (cat. 14-8329) and stained with Mouse IgG1 kappa Isotype Control PE (cat. 12-4714) (open histogram) or Anti-Human CD62E (E-Selectin) PE (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD62E (E-Selectin) PE
REF Catalog Number: 12-0627
Clone: P2H3
Concentration: 5 uL (0.5 ug)/test
Host/Isotype: Mouse IgG1

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.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The P2H3 monoclonal antibody reacts with human CD62E, a 97-115 kDa member of the selectin family. CD62E, also known as E-selectin or endothelial-leukocyte adhesion molecule-1 (ELAM-1) is an adhesion molecule expressed by endothelial cells upon stimulation with cytokines including TNFα and IL-1β. Induced expression of CD62E during inflammatory conditions is thought to mediate leukocyte rolling including the initial interaction of neutrophils with endothelium.

The P2H3 monoclonal antibody also inhibits cellular adhesion to cytokine-activated endothelial cells.

Applications Reported

This P2H3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This P2H3 antibody has been pre-titrated and tested by flow cytometric analysis of TNFα-actiavted Human Umbilical Vein Endothelial Cells (HUVEC). This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Bevilacqua MP, Stengelin S, Gimbrone MA Jr, Seed B. Endothelial leukocyte adhesion molecule 1: an inducible receptor for neutrophils related to complement regulatory proteins and lectins. Science. 1989 Mar 3;243(4895):1160-5.

Graber N, Gopal TV, Wilson D, Beall LD, Polte T, Newman W. T cells bind to cytokine-activated endothelial cells via a novel, inducible sialoglycoprotein and endothelial leukocyte adhesion molecule-1. J Immunol. 1990 Aug 1;145(3):819-30.

Phillips ML, Nudelman E, Gaeta FC, Perez M, Singhal AK, Hakomori S, Paulson JC. ELAM-1 mediates cell adhesion by recognition of a carbohydrate ligand, sialyl-Lex. Science. 1990 Nov 23;250(4984):1130-2.

Related Products

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)
14-8329 Human TNF alpha Recombinant Protein

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