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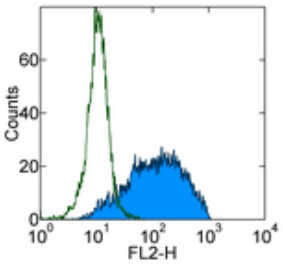
Anti-Human CD62E (E-Selectin) Purified

Catalog Number: 14-0627
Also Known As:LECAM-2
RUO: For Research Use Only



Staining of TNFα-stimulated Human Umbilical Vein Endothelial Cells (HUVEC) with 0.5 µg of Mouse IgG1 κ Isotype Control Purified (cat. 14-4714) (open histogram) or 0.5 µg of Anti-Human CD62E (E-Selectin) Purified (filled histogram) followed by F(ab')2 Anti-Mouse IgG PE (cat. 12-4012). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD62E (E-Selectin) Purified
REF Catalog Number: 14-0627
Clone: P2H3
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
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, immunoprecipitation, and immunohistochemical staining.

Applications Tested

This P2H3 antibody has been tested by flow cytometric analysis of TNFα-actiavted Human Umbilical Vein Endothelial Cells (HUVEC). This can be used at less than or equal to 1 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

14-4714 Mouse IgG1 K Isotype Control Purified

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