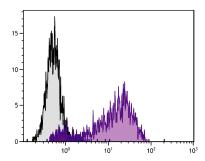




Mouse Anti-Human CD62E/CD62P

| Cat. No. | Format | Size |
|----------|--------------------------|-----------|
| 9500-01 | Purified (UNLB) | 0.1 mg |
| 9500-02 | Fluorescein (FITC) | 100 tests |
| 9500-08 | Biotin (BIOT) | 100 tests |
| 9500-09 | R-phycoerythrin (PE) | 100 tests |
| 9500-11 | Allophycocyanin (APC) | 100 tests |
| 9500-13 | Spectral Red® (SPRD) | 100 tests |
| 9500-27 | Alexa Fluor® 700 (AF700) | 100 tests |



PMA and ionomycin stimulated human endothelial cell line HUV-EC-C was stained with Mouse Anti-Human CD62E/CD62P-PE (SB Cat. No. 9500-09).

Overview

Clone 1.2B6

Isotype Mouse (BALB/c) IgG₁κ

Immunogen TNF stimulated human endothelial cells

Specificity Human CD62E & CD62P/Porcine CD62E; Mr 97 kDa/140 kDa

Alternate Name(s) E-selectin, P-selectin, ELAM-1, LECAM-2, PADGEM, GMP-140, LECAM-3

Workshop V E040; VI Ref.31

Description

CD62E represents the 97 kDa type I transmembrane glycoprotein E-selectin, also known as endothelial-leukocyte adhesion molecule-1 (ELAM-1). It is expressed on cytokine-stimulated endothelium, weakly on unactivated endothelium, and is absent on leukocytes. Like other selectins, CD62E is an adhesion molecule that contributes to the initial attachment and rolling of leukocytes on endothelial surfaces, a prerequisite for leukocyte extravasation into tissues.

CD62P is a 140 kDa membrane glycoprotein formerly known as platelet activation-dependent granule membrane protein (PADGEM) or GMP-140. It is expressed on platelets, megakaryocytes, and epithelium. It is thought to mediate the adhesive interactions of neutrophils and monocytes with endothelium in inflammatory responses and of activated platelets to neutrophils and monocytes in hemostasis.

The monoclonal antibody 1.2B6 recognizes a common epitope shared by CD62E and CD62P.

Applications

FC – Quality tested ^{1,2,5,10-17}
IHC-FS – Reported in literature ⁴
ICC – Reported in literature ⁵
IP – Reported in literature ¹
WB-NR – Reported in literature ^{2,3}
ELISA – Reported in literature ^{1,6-8}
Block – Reported in literature ^{9,10}
Adhesion – Reported in literature ^{9,10}

Working Dilutions

Flow Cytometry Purified (UNLB) antibody \leq 1 μg/10⁶ cells FITC, BIOT, PE, APC, SPRD, and AF700 conjugates 10 μL/10⁶ cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is

appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) and Alexa Fluor® 700 (AF700) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. Do not freeze!
- The Spectral Red® (SPRD) conjugate is supplied 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not** freeze!
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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