

anti-human CD62E

Monoclonal Antibody HI62E to CD62E (Human)

Cat-No: **21818621**

100 µg in 100 µl

Clone: HI62E

Specificity: CD62E recognizes a 115 kD type I transmembrane glycoprotein, E-selectin, also called endothelial-leucocyte adhesion molecule-1 (ELAM-1). It is expressed on cytokine (such as IL-2, TNF-alpha) stimulated endothelium in vitro, transiently expressed on endothelium at sites of acute inflammation in vivo, and is also expressed on endothelium in chronic inflammatory lesions of skin and synovium. Non-inflammatory expression of CD62E has been observed in endothelium in skin, placenta and bone marrow. CD62E mediates leucocyte rolling on activated endothelium at inflammatory sites and may also support tumor cell adhesion during hematogenous metastasis, and plays a role in angiogenesis. It binds to both CD15s and CD162.

Isotype subclass: Mouse IgG2a

Form: The antibody was purified by protein G affinity chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09% sodium azide, pH 7.2

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry

References:

- *) Shen DC., Chen Z., Bai JF., et al., Properties and preliminary application of three monoclonal antibodies of non-lineage antigens- CD45, CD45R and CD53. J. Monoclonal Antibody. 7(1): 53
- *) Knapp, W., B. Dorken, E.P. Rieber, et al., eds. 1989. Leucocyte Typing VI: White Cell Differentiation Antigens. P: 674-677, 1088 Oxford University Press, New York

Background: The Selectin family is comprised of three members, E-Selectin, L-Selectin, and P-Selectin. E-Selectin (CD62E) is transiently expressed on vascular endothelial cells in response to IL-1 beta and TNF-alpha. L-Selectin (CD62L) is expressed constitutively on a wide variety of leukocytes. Two forms of L-Selectin have been reported, apparently arising as a result of post-translational modifications. Human P-Selectin (CD62P) is expressed by activated platelets and endothelial cells.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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