

anti-human CD62E

Monoclonal Antibody hCD62E to CD62E (Human)

Cat-No: **21348621**

100 µg in 100 µl

Clone: hCD62E

Specificity: CD62E (also known as E-selectin, ELAM-1, and LECAM-1) is a 115 kD type I membrane protein and a member of the selectin family. CD62E is highly expressed on activated endothelial cells and can also be expressed on endothelial cells in the skin, bone marrow and placenta. CD62E is involved in tethering and leucocyte rolling on activated endothelium at inflammatory sites and may also play a role in tumor metastasis and angiogenesis. CD62E binds to both CD15s and CD162.

Isotype subclass: Mouse IgG2a,k

Form: The antibody was purified by affinity chromatography.

Purity: > 95% (by SDS-PAGE)

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: 1

1. Collins T, *et al.* 1991. *J. Biol. Chem.* 266:2466.
2. Bevilacqua MP, *et al.* 1987. *Proc. Natl. Acad. Sci. USA* 84:9238.
3. Berg EL, *et al.* 1991. *J. Exp. Med.* 174:1461.
4. Lawrence MB, *et al.* 1993. *J. Immunol.* 151:6338.
5. Walz G, *et al.* 1990. *Science* 250:1132.

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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