

Product Data Sheet

PE anti-human CD62E

Catalog # / Size: 336007 / 25 tests
336008 / 100 tests

Clone: HAE-1f

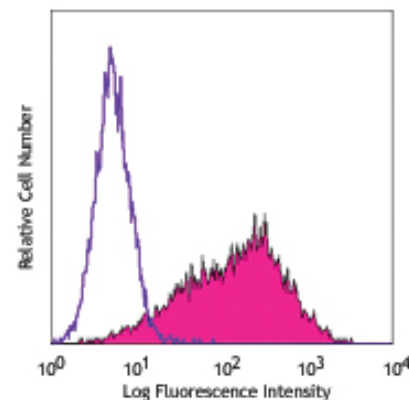
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



TNF- α -stimulated (16hr) HUVEC cells stained with HAE-1f PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

Application Notes: Additional reported applications: blocks CD62E binding to its ligand

Application References:

1. Tu L, et al. 1996. *J. Immunol.* 157:3995
2. Zhang Y and S. Neelamegham. 2002. *Biophys. J.* 83:1934

Description: 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 (IL-2, TNF- α , other cytokines can increase expression) 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 Sialyl Lewis X (CD15s) and PSGL-1 (CD162). The HAE-1f antibody has been shown to recognize human CD62E and to be useful for flow cytometry and in vitro blocking.

Antigen References:

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

Related Products:

Product
PE Mouse IgG1, κ Isotype Ctrl
Cell Staining Buffer
RBC Lysis Buffer (10X)
Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
MOPC-21

Application
FC, ICFC
FC, ICC, ICFC
FC, ICFC
FC, ICC, ICFC



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