SONY

# Product Data Sheet

## PE/Cy7 anti-human CD62E

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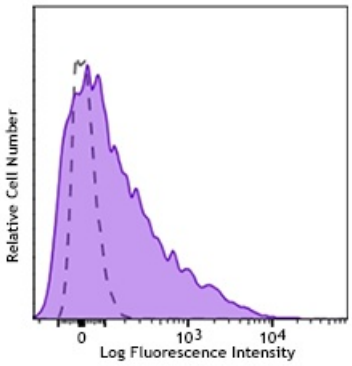
| **Catalog # / Size:** | 2280080 / 100 tests<br>2280075 / 25 tests |
| **Clone:** | HAE-1f |
| **Isotype:** | Mouse IgG1, κ |
| **Immunogen:** | Human CD200R full length fusion protein |
| **Reactivity:** | Human |
| **Preparation:** | The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody. |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). |
| **Workshop Number:** | VI MR23 |
| **Concentration:** | Lot-specific |




TNF-α-stimulated (6 hours) HUVEC cells stained with CD62E (clone HAE-1f) PE/Cy7.

## Applications:

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| **Applications:** | Flow Cytometry |
| **Recommended Usage:** | Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood. |
| **Application Notes:** | Additional reported applications: blocks CD62E binding to its ligand |
| **Application References:** | 1. Tu L, *et al.* 1996. *J. Immunol.* 157:3995<br>2. Zhang Y and S. Neelamegham. 2002. *Biophys. J.* 83:1934 |

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**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 Siayl 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


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