

# Product Data Sheet

## LEAF™ Purified anti-human CD62E

**Catalog # / Size:** 336004 / 500 µg

**Clone:** HAE-1f

**Isotype:** Mouse IgG1, κ

**Reactivity:** Human

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.

## Applications:

**Applications:** FC - *Quality tested*  
FA - *Reported in the literature*

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤2.0 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**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**  
LEAF™ Purified Mouse IgG1, κ Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)

**Clone**  
MOPC-21

**Application**  
FC, ICFC, WB, IP, ICC, IF, FA  
FC, ICC, ICFC  
FC, ICFC



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