



Product Specification Sheet

Mouse Anti-Human CD62E (E-selectin or ELAM-1)

Cat# **CD62E-100**

Mouse Anti-Human CD62E IgG-FITC Conjugate

Size **100 tests**

CD62E McAb recognizes a 100-110 KDa type I transmembrane glycoprotein, E-selectin, also called endothelial-leucocyte adhesion molecule-1 (ELAM-1). CD62E is expressed on cytokine (such as IL-2, TNF- α) 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. Sialyl Lewis X (CD15s) and PSGL-1 (CD162) act as ligands for CD62E.

PREPARATION

The monoclonal antibody (IgG1 isotype) is purified from ascites by protein G affinity chromatography. It is supplied in PBS, pH 7.4 and 0.05% azide. Store at 2-4oC.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.

Suggested Isotype Matching Control

Purified Mouse IgG1, cat #20102-101

WORKING DILUTIONS

Flow Cytometry: Purified (UNLB) antibody \leq 1-2 μ g/10⁶ cells

Fluorescein conjugate 10-20 μ L/10⁶ cells

BLOT conjugate 10-20 μ L/10⁶ cells

R-phycoerythrin conjugate 10-20 μ L/10⁶ cells

Allophycocyanin 10-20 μ L/10⁶ cells

STORAGE

For purified forms, long term storage at -20oC

For conjugated forms, storage at 4 \square , should not be frozen and avoid prolonged exposure to light.

REFERENCES

Gearing, A.J.H.,(1993). *Immunol. Today* 14:506; Tedder, T.F (1995) *FASEB J.* 9:866

Related Items

CD62E-100	Anti-Human CD62E-FITC conjugate
CD62EP-100	Anti-Human CD62E-PE conjugate
CD62EPC-100 conjugate	Anti-Human CD62E-PE-Cy5-conjugate
CD62EUL-100	Anti-Human CD62E, Unlabeled
CD62LF-100	Anti-Human CD62L-FITC conjugate
CD62LP-100	Anti-Human CD62L-PE conjugate
CD62LPC-100 conjugate	Anti-Human CD62L-PE-Cy5-conjugate
CD62LUL-100	Anti-Human CD62L, Unlabeled
CD62PF-100	Anti-Human CD62P-FITC conjugate
CD62PP-100	Anti-Human CD62P-PE conjugate
CD62PPC-100 conjugate	Anti-Human CD62P-PE-Cy5-conjugate
CD62PUL-100	Anti-Human CD62P, Unlabeled

CD62E-100

101108A