

Product datasheet for **BM311F**

CD62E (SELE) (+CD62P) Mouse Monoclonal Antibody [Clone ID: 1.2B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1.2B6
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10µl of neat antibody to label 1 x 10 ⁶ cells in 100µl.
Reactivity:	Human, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human E-Selectin (ELAM-1). Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity:	This antibody recognizes the CD62E and CD62P cell surface antigens. Although previously thought to recognise only Human CD62E, recent data (Goda et al. 2003) shows that this antibody also recognizes Human CD62P, binding to a common epitope shared by these members of the selectin family.
Formulation:	PBS, pH 7.4 Label: FITC State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name: selectin E

Database Link: [Entrez Gene 6401 Human P16581](#)

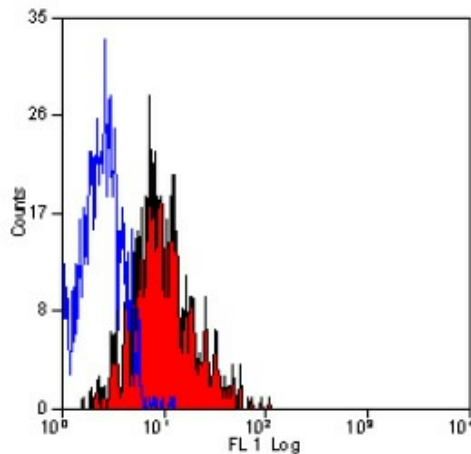
Background: CD62E is also known as endothelial leukocyte adhesion molecule 1 (ELAM1) or E selectin. It is a type I membrane protein that belongs to the selectin family of surface molecules (along with CD62L and CD62P). Selectins are C type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium. CD62E (E selectin) is an endothelial cell specific selectin that is expressed on cytokine induced endothelial cells only after activation with proinflammatory cytokines. In vitro experiments have shown that IL1, TNFalpha and bacterial wall components like lipopolysaccharides induce the transcription of CD62E in an NFkB dependent signalling cascade. CD62E has been associated with blood vessel endothelium in diverse inflammatory situations. The main ligands recognised by CD62E are oligosaccharides related to sialyl lewis x.

Synonyms: SELE, ELAM1, LECAM2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:



Staining of Thrombin activated human peripheral blood platelets with FITC conjugated Mouse Anti Human CD62E/CD62P antibody