

Product datasheet for **BM6032P**

CD62E (SELE) Rat Monoclonal Antibody [Clone ID: UZ4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UZ4
Applications:	FC, FN, IF, IP, WB
Recommended Dilution:	Immunoprecipitation. <i>UZ4</i> is a Functional antibody in that it inhibits leukocyte adhesion to both Murine and Human activated endothelial cells. For <i>in vivo</i> application in mice 20 µg of purified Ig per injection is recommended. <i>UZ4</i> is also suitable for Immunoblotting, ELISA, Immunoprecipitation and Flow Cytometry (1/500). It is not optimal for Immunohistochemistry; to analyze Mouse E-Selectin protein in Frozen Sections, please refer to the anti E-Selectin monoclonal antibodies <i>UZ5</i> (Cat.-No BM6033P), <i>UZ6</i> (Cat.-No BM6034P), and <i>UZ7</i> (Cat.-No BM6035P).
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	LPS-activated mIEND1 cells expressing E-Selectin at their cell surface
Specificity:	<i>UZ4</i> recognizes the minimal amino acid consensus sequence CXKKKL present in the lectin domain of both Murine and Human E-Selectin.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	selectin E



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

Background: Leukocytes adhere to the blood vessel endothelium during extravasation in postcapillary venules of lymph nodes. In addition, leukocyte adhesion occurs in the capillaries and small venules at any site in the body after onset of inflammation. This response is immediate and involves a cascade of adhesion receptors. At the endothelial surface members of the selectin and immunoglobulin superfamilies participate in this cascade. Selectins are C-type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium. E-selectin (CD62E) is an endothelial cell specific selectin that is expressed only after activation with proinflammatory cytokines. In vitro experiments have shown that IL-1, TNF-alpha and bacterial wall components like lipopolysaccharides induce the transcription of E-selectin in a NFkB dependent signalling cascade. E-selectin has been associated with blood vessel endothelium in diverse inflammatory situations.

Synonyms: SELE, ELAM1, LECAM2