

Product datasheet for **BM6033P**

Sele (CR1 Region) Rat Monoclonal Antibody [Clone ID: UZ5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UZ5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA. Immunoblotting. Immunoprecipitation. Immunocytochemistry. Immunofluorescence. Flow Cytometry: 1/200. Immunohistochemistry on Frozen Sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	LPS-activated mIEND1 cells expressing E-selectin at their cell surface.
Specificity:	Clone <i>UZ5</i> recognizes a conformational epitope in the CR1 region in murine E-selectin. <i>UZ5</i> partially inhibits leukocyte adhesion to Murine activated endothelial cells.
Formulation:	PBS with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction.
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 freeze-thaw cycles.
Stability:	Shelf life: One year from despatch.
Gene Name:	selectin, endothelial cell
Database Link:	Entrez Gene 20339 Mouse Q00690



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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, TNFalpha 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