

Datasheet for ABIN335384

**anti-Selectin E/CD62e antibody**[Go to Product page](#)

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## Overview

Quantity:	0.1 mg
Target:	Selectin E/CD62e (SELE)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Selectin E/CD62e antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Functional Studies (Func)

## Product Details

Immunogen:	UZ5 is a rat monoclonal IgG2b antibody derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a Lewis rat immunized with LPS-activated mIEND1 cells expressing E-selectin at their cell surface.
Clone:	UZ5
Isotype:	IgG2b
Specificity:	Mouse.
Purification:	Purified

## Target Details

Target:	Selectin E/CD62e (SELE)
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## Target Details

Alternative Name: E-selectin ([SELE Products](#))

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 NFkappaB dependent signalling cascade. E-selectin has been associated with blood vessel endothelium in diverse inflammatory situations.

Pathways: [Thromboxane A2 Receptor Signaling](#)

## Application Details

Application Notes: UZ5 recognizes a conformational epitope in the CR1 region in murine E-selectin. UZ5 partially inhibits leukocyte adhesion to murine activated endothelial cells. UZ5 is suitable for immunoblotting, ELISA, immunoprecipitation, immunohistochemistry on frozen sections and flow cytometry (dilution 1:200).

Restrictions: For Research Use only

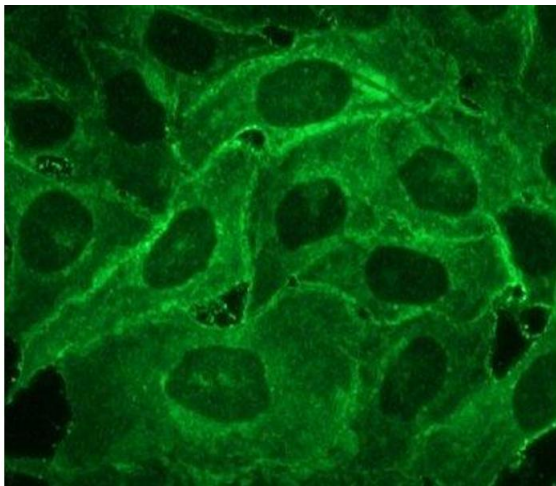
## Handling

Storage: 4 °C

## Publications

Product cited in: Hammel, Weitz-Schmidt, Krause, Moll, Vestweber, Zerwes, Hallmann: "Species-specific and conserved epitopes on mouse and human E-selectin important for leukocyte adhesion." in: **Experimental cell research**, Vol. 269, Issue 2, pp. 266-74, (2001) ([PubMed](#)).

Hallmann, Zimmermann, Sorokin, Needham, Von der Mark: "Adhesion of leukocytes to the inflamed endothelium." in: **Scandinavian journal of rheumatology. Supplement**, Vol. 101, pp. 107-9, (1995) ([PubMed](#)).



**Image 1.**