

RAT ANTI-E-SELECTIN
MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB2153	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE NAME:	UZ4	HOST/ISOTYPE:	Rt IgM
ALTERNATE NAMES:	CD62E	EPITOPE:	lectin domain
BACKGROUND:	<p>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. <i>In vitro</i> experiments have shown that IL-1, TNF alpha and bacterial wall components like lipopolysaccharides induce the transcription of E-selectin in a NK kappa B dependent signaling cascade. E-selectin has been associated with blood vessel endothelium in diverse inflammatory situations.</p>		
SPECIFICITY:	Reacts with E-selectin in the lectin domain.		
APPLICATIONS:	<p><u>Western blot:</u> 1:100 - 1:1000</p> <p><u>Immunoprecipitation</u></p> <p><u>Flow cytometry:</u> 1:500</p> <p><u>Blocking:</u></p> <p>Not suitable for immunohistochemistry</p> <p><i>Optimal working dilutions must be determined by the end user.</i></p>		
SPECIES REACTIVITY:	Human and mouse. Reactivity with other species is not confirmed.		
IMMUNOGEN:	Synthetic peptide corresponding to an amino acid sequence present in the lectin domain of both human and mouse E-selectin.		
PRESENTATION:	Purified immunoglobulin. Liquid in PBS containing 0.09% sodium azide.		
STORAGE/HANDLING:	Maintain at 2°-8°C for up to 12 months from date of receipt.		
REFERENCES:	Sunderkott, C., <i>et al.</i> (2001). Different pathways leading to cutaneous leukocytoclastic vasculitis in mice. <i>Exp. Dermatol.</i> 10 :391-404.		

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (951) 676-9209 • Europe +44 (0) 23 8026 2233
Australia +61 3 9839 2000
www.millipore.com