

Product datasheet for **AM26048FC-N**

CD62E (SELE) Rat Monoclonal Antibody [Clone ID: 4D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4D10
Applications:	FC
Recommended Dilution:	Has been reported to work in FACS. Suggested positive control: Human endothelial cells in acutely inflamed tonsil.
Reactivity:	Human
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	LPS-stimulated human endothelial cells
Specificity:	This antibody detects CD62E / E-Selectin.
Formulation:	Phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.09% sodium azide as a preservative Label: FITC State: Liquid Ig fraction
Concentration:	0.5 mg/ml
Purification:	Affinity chromatography
Conjugation:	FITC
Storage:	Store the antibody at 2-8 °C.
Stability:	Shelf life: six months from despatch.
Gene Name:	selectin E
Database Link:	Entrez Gene 6401 Human P16581



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Background:	<p>CD62E belongs to the selectin family and is thought to mediate rolling of myeloid cells and a subset of memory T cells on activated endothelium.</p> <p>The antigen is a 589 amino acid transmembrane protein. It consists of a C-type lectin-like domain, an epidermal growth factor (EGF)-like domain, six short consensus repeat (SCR) domains, a transmembrane domain and a cytoplasmic tail. CD62E is a counter-receptor for sialyl Lewis X, sialyl Lewis a and CLA (cutaneous lymphocyte antigen). It is involved in adhesion between myeloid cells and activated endothelium, and supports leucocytes rolling. Some skin-associated memory T cells express CLA, and it may be that CD62E is also involved in their homing to cutaneous sites of chronic inflammation. In addition, CD62E may also be involved in tumour metastasis. A soluble form of CD62E has been reported to mediate angiogenesis in pathological disorders.</p>
Synonyms:	SELE, ELAM1, LECAM2
Note:	<p>Antigen distribution:</p> <p>Isolated cells: Positive on LPS, TNFα, IL-1, or TPA stimulated endothelial cells (HUVECs) in tissue culture. No cross reactivity with other cell types known.</p> <p>Tissue sections: Strongly positive on human endothelial cells in acutely inflamed tissues such as atopic dermatitis or contact dermatitis 24h after sensitization; in the healthy spleen and lymph node. Few single cells express the 4D10 antigen. The antigen is generally absent in chronically inflamed tissues.</p>
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)