E-Selectin (SELE) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	E-Selectin, Polyclonal Antibody
Full Product Name	E-Selectin Conjugated Antibody
Product Gene Name	anti-SELE antibody
Product Synonym Names	CD26E; CD62 antigen-like family member E; CD62E; E selectin; E-selectin; ELAM; ELAM-1; ELAM1; Endothelial adhesion molecule 1; Endothelial leukocyte adhesion molecule 1; ESEL; LECAM2; Leukocyte-endothelial cell adhesion molecule 2; LYAM2_HUMAN; Sele; Selectin E
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	66,655 Da
OMIM	131210
3D Structure	ModBase 3D Structure for P16581
Immunogen	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of N-terminal residues of E-selectin.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SELE antibody	Most Applications
Application Notes for anti-SELE antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SELE antibody	CD62E, known as E-selectin, is a cell adhesion molecule expressed only on endothelial cells activated by cytokines. Like other selectins, it plays an important part in inflammation. During inflammation, E-selectin plays an important part in recruiting leukocytes to the site of injury. The main ligands recognised by CD62E are oligosaccharides related to sialyl lewis x. P-selectin has a similar function, but is expressed on the endothelial cell surface within minutes as it is stored within the cell rather than produced on demand.
Other Notes	Small volumes of anti-SELE antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SELE purchase	MBS9455829 is an antibody targeting SELE. Also known as E-Selectin Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SELE. It may not necessarily be applicable to this product.

NCBI GI #	187960042
NCBI GeneID	6401
NCBI Accession #	NP_000441.2
UniProt Primary Accession #	P16581
UniProt Secondary Accession #	P16111; A2RRD6
UniProt Related Accession #	P16581
GenBank Nucleotide #	NM_000450.2
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin E
NCBI Official Symbol	SELE
NCBI Official Synonym Symbols	ELAM; ESEL; CD62E; ELAM1; LECAM2
UniProt Protein Name	E-selectin
UniProt Synonym Protein Names	CD62 antigen-like family member E; Endothelial leukocyte adhesion molecule 1; ELAM-1; Leukocyte-endothelial cell adhesion molecule 2
Protein Family	E-selectin
UniProt Gene Name	SELE
UniProt Synonym Gene Names	ELAM1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_HUMAN
NCBI Protein Information	E-selectin; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2
NCBI Summary for SELE	The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis. [provided by RefSeq, Jul 2008]
UniProt Comments for SELE	SELE: Cell-surface glycoprotein having a role in immunoadhesion. Mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with PSGL1/SELPLG. May have a role in capillary morphogenesis. Belongs to the selectin/LECAM family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q22-q25 Cellular Component: cortical cytoskeleton; extracellular space; perinuclear region of cytoplasm; integral to membrane; plasma membrane; coated pit; caveola; lipid raft Molecular Function: protein binding; phospholipase binding; transmembrane receptor activity; sialic acid binding Biological Process: heterophilic cell adhesion; leukocyte adhesion; phospholipase C activation; positive regulation of leukocyte migration; actin filament-based process; positive regulation of receptor internalization; regulation of inflammatory response; calcium-mediated signaling; response to lipopolysaccharide; blood coagulation; leukocyte tethering or rolling; inflammatory response; leukocyte migration; leukocyte migration during inflammatory response Disease: Hypertension, Essential

Research Articles on SELE	**1.** ICAM1, VCAM1 and E-selectin were downregulated through HMGB1 interference in HUVECs, and HMGB1 shRNA decreased E-selectin expression by HOXA9.
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