



Rabbit Anti-Human E-Selectin monoclonal antibody, clone S151 (CABT-ZB839)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human E-Selectin It has no cross-reactivity in ELISA with Human CD31/PECAM1, Human VCAM1/CD106, Human ICAM1/CD54, Mouse VCAM1/CD106, Mouse ICAM-1/CD54.
Target	SELE
Immunogen	Recombinant Human CD62E protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S151
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB441 - CABT-ZB839 This antibody will detect E-Selectin in antibody pair set. [ABPR-ZB015]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD62E / E-selectin.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	E-selectin, also known as endothelial leukocyte adhesion molecule-1 (ELAM-1) and CD62E, is an inducible adhesion molecule that is expressed on the surfaces of stimulated vascular endothelial cells and is sometimes involved in cancer cell metastasis. E-selectin exhibits a complex mosaic structure consisting of a large extracellular region comprised of a lectin domain, an EGF-like domain, and a short consensus repeat (SCR) domain, followed by a transmembrane region and a relatively short (32 aa) cytoplasmic tail. As a member of the LEC-CAM or selectin family, E-selectin recognises and binds to sialylated carbohydrates including members of the Lewis X and Lewis A families found on monocytes, granulocytes, and T-lymphocytes. E-selectin supports rolling and stable arrest of leukocytes on activated vascular endothelium, and furthermore, it was indicated that it can also transduce an activating stimulus via the MAPK cascade into the endothelial cell during leukocyte adhesion. E-selectin regulates adhesive interactions between certain blood cells and endothelium. The soluble form of E selectin (sE-selectin) is a marker of endothelial activation, and has a potential role in the pathogenesis of cardiovascular disease as raised levels have been found in hypertension, diabetes and hyperlipidemia, although its association in established atherosclerosis disease and its value as a prognostic factor is more controversial. soluble E-selectin is inversely associated with the muscular component of the left ventricle, thereby suggesting that the lack of such a reparative factor may be associated with cardiac remodeling in end-stage renal disease (ESRD) patients. Besides, this adhesion molecule appears to be involved in the pathogenesis of atherosclerosis.
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Keywords	SELE; selectin E; ELAM; ESEL
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GENE INFORMATION

Synonyms	SELE; selectin E; ELAM; ESEL; CD62E; ELAM1; LECAM2; 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
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Entrez Gene ID [6401](#)

UniProt ID [Q14242](#)
