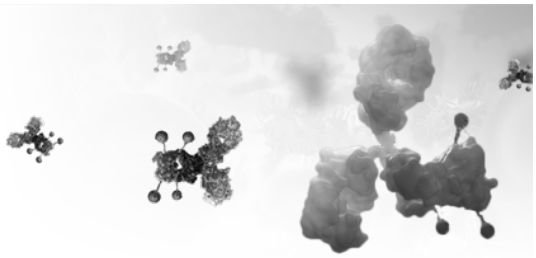

Rat anti Mouse SELE monoclonal antibody, clone 07510 [Biotin] (CABT-L294)

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

PRODUCT INFORMATION

Specificity	Detects mouse E-Selectin/CD62E in ELISAs and Western blots. In Western blots, this antibody shows 20-50% cross-reactivity with recombinant human E-Selectin and recombinant mouse (rm) L-Selectin and no cross-reactivity with rmP-Selectin or recombinant rat E-Selectin.
Target	E-Selectin/CD62E
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse E-Selectin Trp22-Pro557, Accession #Q00690
Isotype	IgG2A
Source/Host	Rat
Species Reactivity	Mouse
Clone	7510
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA(Det), WB
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	PBS with BSA

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Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Ship	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

BACKGROUND

Introduction	E-Selectin (Endothelial Leukocyte Adhesion Molecule-1, ELAM-1, CD62E), a member of the Selectin family, is a 107-115 kDa cell surface glycoprotein. It is transiently expressed on vascular endothelial cells in response to IL-1 beta b and TNF-alpha, and demonstrates peak expression at 4 hours, and decay at 24 hours, in response to activation. E-Selectin ligands, expressed on neutrophils, monocytes, and a subset of memory T cells, are sialylated, fucosylated molecules which bind to the lectin domain of E-Selectin. Immunocytochemical techniques have demonstrated the expression of E-Selectin on healthy and diseased tissue. The human and mouse E-Selectin proteins share 81% amino acid similarity. E-Selectin mediates the attachment of flowing leukocytes to the blood vessel wall during inflammation by binding to E-Selectin ligands on leukocytes. These interactions are labile and permit leukocytes to roll along the vascular endothelium in the direction of blood flow. This initial interaction is followed by a stronger interaction involving ICAM-1 and VCAM-1 that leads eventually to extravasation of the white blood cell through the blood vessel wall into the extracellular matrix tissue. ELISA techniques have shown that detectable levels of soluble E-Selectin are present in the biological fluids of apparently normal individuals. Furthermore, a number of studies have reported that levels of E-Selectin may be elevated in subjects with a variety of pathological conditions.
Keywords	CD62 antigen-like family member E;CD62E antigen;CD62E;ELAM;ELAM1;ELAM-1;ELAM1E-selectin;endothelial adhesion molecule 1;Endothelial leukocyte adhesion molecule 1;ESEL;E-Selectin;LECAM2;leukocyte endothelial cell adhesion molecule 2;Leukocyte-endothelial cell adhesion molecule 2;SELE;selectin E

GENE INFORMATION

Entrez Gene ID	20339
UniProt ID	Q00690

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