

# Mouse E-Selectin (SELE) ELISA Kit

Catalog No: #EK7409



Package Size: #EK7409-1 48T #EK7409-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse E-Selectin (SELE) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	RP1-117P20.2; CD62E; ELAM; ELAM1; ESEL; LECAM2; endothelial adhesion molecule 1 leukocyte endothelial cell adhesion molecule 2
Accession No.	Q00690
Uniprot	Q00690
GenID	20339;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.065 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SELE in samples. An antibody specific for SELE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySELE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SELE is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SELE bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CD62E is also known as endothelial leukocyte adhesion molecule 1 (ELAM1) or E selectin. It is a type I membrane protein that belongs to the selectin family of surface molecules (along with CD62L and CD62P). Selectins are C type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium.

CD62E (E selectin) is an endothelial cell specific selectin that is expressed on cytokine induced endothelial cells only after activation with proinflammatory cytokines. In vitro experiments have shown that IL1, TNFalpha and bacterial wall components like lipopolysaccharides induce the transcription of CD62E in an NFkB dependent signalling cascade. CD62E has been associated with blood vessel endothelium in diverse inflammatory situations.

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Note: This product is for in vitro research use only