

## Human sE-selectin ELISA Kit

Human sE-selectin ELISA KIT

CATALOG #  
**AAA309892**

REACTIVITY  
**Human**

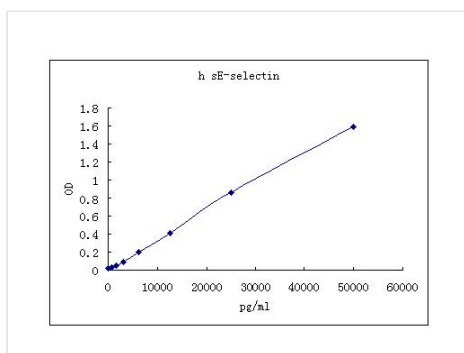
### PRODUCT SYNONYMS

sE-selectin; Human sE-selectin ELISA KIT; Human sE-selectin; sE-selectin elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| Reactivity              | Human                                                            |
| Specificity             | Natural and recombinant Human sE-selectin Ligand                 |
| Assay Type              | Solid Phase Sandwich ELISA                                       |
| Samples                 | Cell culture supernatant, serum, plasma (EDTA, citrate, heparin) |
| Detection Range         | 780-50000pg/mL                                                   |
| Sensitivity             | 200pg/mL                                                         |
| Assay Time              | 3 hours                                                          |
| Sample Volume           | 20 uL                                                            |
| Detection Method        | Colorimetric                                                     |
| Preparation and Storage | Store at 4 degree C                                              |

### IMAGES



#### Standard Curve (Sample)

Representative standard curve for sE-selectin ELISA. sE-selectin was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

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| Related Product Information for sE-selectin elisa kit | E-Selectin (also known as Endothelial Leukocyte Adhesion Molecule-1, ELAM-1, or CD62E) is a 115 kDa, type I transmembrane glycoprotein expressed only on endothelial cells and only after activation by inflammatory cytokines (IL-1b or TNF-a) or endotoxins (1-4). Expression is transitory, reaching a maximum within about 6 hours of stimulation and then declining with shedding of soluble E-Selectin (1-5). Cell-surface E-Selectin is a mediator of the rolling attachment of leukocytes to the endothelium, an essential step in extravasation of leukocytes at the site of inflammation (1-6) thereby playing a key role in localized inflammatory response. E-Selectin is believed to be particularly important in inflammation involving the skin (4).The extracellular part of E-Selectin includes a calcium-dependent C2-type lectin domain, an epidermal growth factor (EGF) domain, and six repeats of a complement-regulatory-protein-like sequence (1-4). E-Selectin binds sialyl Lewis X (sLex), a sialic acid-galactose-N-acetylglucosamine-fructose tetrasaccharide, but the actual recognition is thought to be for a specific presentation of those glycosyl units in a precise three-dimensional configuration on a specific glycoprotein rather than for that particular carbohydrate (4).Soluble E-Selectin (sE-Selectin) is found in the blood of healthy individuals (7, 8), probably arising from proteolytic cleavage of the surface-expressed molecule (5, 9). Elevated levels of sE-Selectin in serum have been reported in a variety of pathological conditions (8, 10-14). Although it might be anticipated that sE-Selectin would suppress leukocyte migration by competing with surface-associated E-Selectin, it may actually activate neutrophils and act as a pro-inflammatory agent (15). |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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