

## Soluble Intercellular Adhesion Molecule 1 (sICAM-1)

<b>Method:</b>	Enzyme-linked immunosorbent assay (ELISA)
<b>Kit Manufacturer:</b>	R & D Systems, Minneapolis, MN
<b>Description:</b>	This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for sICAM-1 has been pre-coated onto a microplate. Standards, samples, controls, and conjugate are pipetted into the wells and any sICAM-1 present is sandwiched by the immobilized antibody and the enzyme-linked monoclonal antibody specific for sICAM-1. Following a wash to remove any unbound substances and/or antibody-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of sICAM-1 bound. The color development is stopped and the intensity of the color is measured.

### Collection and Performance Characteristics

<b>Tube type:</b>	Preferred: SST Alternate: EDTA or Heparin
<b>Minimum Volume:</b>	0.2 mL
<b>Lowest Reportable Value:</b>	2 ng/mL
<b>Dynamic Range:</b>	2-1000 ng/mL
<b>Precision:</b>	The intra-assay is 3.6-5.0 % The inter-assay is 4.4-6.8 %
<b>Reference Range:</b>	98.8 – 320 ng/mL