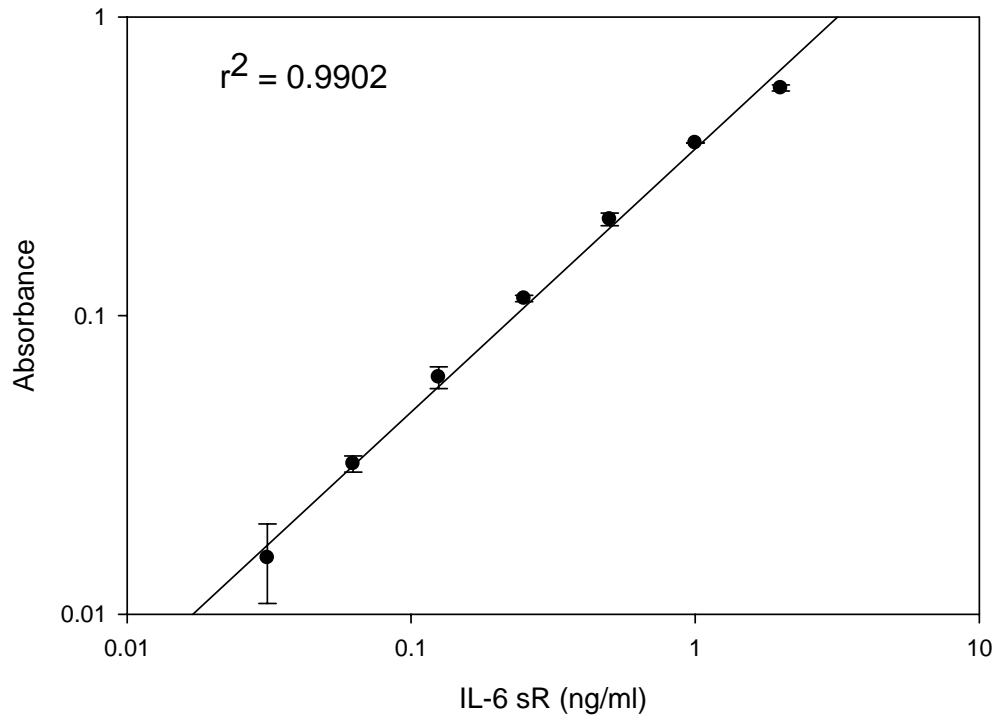


Human IL-6 sR Standard Curve



Plasma required: 20 microliters

Range of values: 18 - 52 nanograms/ml

Human soluble Interleukin-6 receptor (IL-6 sR) was measured utilizing a human IL-6 sR Immunoassay kit purchased from R & D Systems, Minneapolis, MN (Catalogue #DR600). The assay employs a quantitative sandwich enzyme immunoassay technique utilizing a monoclonal antibody specific for IL-6 sR precoated into wells of a 96 well microplate. Standards and samples are added to wells resulting in the binding of IL-6 sR to the immobilized antibody. After washing to remove any unbound substances, a mouse monoclonal antibody against IL-6 sR, which is conjugated to horseradish peroxidase, is added. After removal of unbound conjugate a substrate solution is added to each well and color allowed to develop proportionate to the amount of IL-6 sR present. The color development was stopped with the addition of 2 N H₂SO₄ and the microplate was then read at 485 nm and also at 590 nm as a background control. Log-Log plots of concentration vs absorbance for standards were prepared and concentrations of unknown samples extrapolated from the standard curve and adjusted for any dilution of plasma.