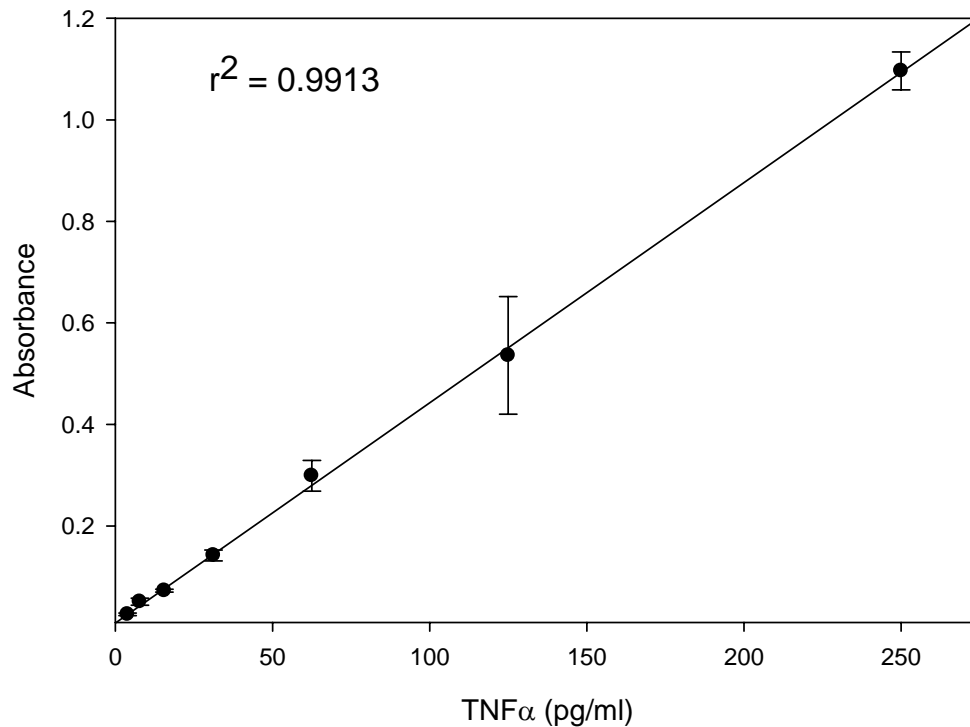


Human TNF α Standard Curve



Plasma required: 100 microliters

Range of values: 0 - 27 picograms/ml

Human Tumor Necrosis Factor α was measured utilizing a human TNF α Immunoassay kit purchased from Cayman Chemical Co., Ann Arbor, MI (Catalogue #589201). The assay employs a quantitative sandwich enzyme immunoassay technique utilizing a monoclonal antibody specific for TNF α precoated into wells of a 96 well microplate. Standards and samples are added to wells resulting in the binding of TNF α to the immobilized antibody. After washing to remove any unbound substances, an antibody against TNF α which is conjugated to *Electrophorus electricus* acetylcholinesterase is added. After removal of unbound conjugate, Ellman's reagent is added to each well and color allowed to develop proportionate to the amount of TNF α present. After approximately two hours the microplate was then read at 405 nm. Plots of concentration vs absorbance for standards were prepared and concentrations of unknown samples extrapolated from the standard curve.