

Protein A ELISA Kit

SKU: **GXEL00387** | Assay: Quantitative ELISA (Colorimetric)

The Protein A ELISA Kit (SKU: GXEL00387) is a high-sensitivity quantitative ELISA for the quantitative measurement of Protein A in Plasma, Serum. The assay covers a detection range of 0.078-5 ng/mL with a sensitivity of 20 pg/mL and is read colorimetrically at 450 nm.

Background: Protein A ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Protein A. Samples containing Protein A are first diluted in the Sample Diluent provided with the kits. The Denaturing Buffer is then added and mixed to dissociate the Protein A from the product antibody. The samples are then reacted in microtiter strips coated with a monoclonal anti-Protein A capture antibody. A second anti-Protein A biotinylated monoclonal antibody is simultaneously reacted forming a sandwich complex of solid phase antibody-Protein A: biotin labeled antibody. After a wash step to remove any unbound reactants, Streptavidin labeled HRP is added to each well. After a short incubation period, the strips are then reacted with TMB substrate. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (OD) to the concentration of standards. The Protein A concentration in each sample is interpolated from this standard curve.

Specifications

Product Name	Protein A ELISA Kit
SKU	GXEL00387
Assay Type	Quantitative
Detection Method	Colorimetric
Sensitivity	20 pg/mL
Detection Range	0.078-5 ng/mL
Recovery	80-120%
Sample Types	Plasma, Serum
Storage	2-8°C. See Storage & Stability.
Note	For Research Use Only. Not for diagnostic procedures.

Storage & Stability

The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 10% prior to the expiration date under appropriate storage condition. Store at 2-8°C on receipt; avoid repeated freeze-thaw cycles.

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