

P1NP

Method:	Rat/Mouse PINP EIA kit is a competitive enzyme immunoassay for the quantitative determination of N-terminal propeptide of type I procollagen (PINP) in mouse serum or plasma samples.
Vendor:	ImmunoDiagnosticSystems PLC, Tyne and Wear, NE35 9PD UK. #AC-57854
Description:	<p>PINP is a useful marker for monitoring the efficacy of osteoporosis therapy with anabolic agents, and is also one of the best bone turnover markers for monitoring the efficacy of antiresorptive therapy.</p> <p>The IDS Rat/Mouse PINP EIA kit is a competitive enzyme-immunoassay utilizing a polyclonal rabbit anti-PINP antibody coated onto the inner surface of polystyrene microtiter wells. Calibrators, controls and samples are added to the wells of the microtiter plate followed by PINP labelled with biotin and the plate incubated for 1 hour at room temperature before aspiration and washing. Enzyme (horseradish peroxidase) labelled avidin is added and binds selectively to complexed biotin and, following a further wash step, color is developed using a chromogenic substrate (TMB). The absorbance of the stopped reaction mixtures are read in a microplate plate reader, color intensity developed being inversely proportional to the concentration of PINP. Results are derived from a 4PL Standard Curve.</p>

Sample and Assay Performance Characteristics

Tube type:	Samples should be frozen in tubes or 96-well plates (preferred).
Minimum Volume:	5ul Serum or Plasma
Reference	~ 0.9 - 66 ng/mL
Notes:	Contact Core to arrange sample submission and assay.

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