

CTX-1

Method:	RatLaps™ and Crosslaps™ EIA is an enzyme-linked immunosorbent assay for the quantitative determination of bone related degradation products from C-terminal telopeptides of type-I collagen.
Vendor:	ImmunoDiagnosticSystems PLC, Tyne and Wear, NE35 9PD UK. #AC-57SF1 #AC-57SF1 AC-57SF1
	<p>Type-I collagen accounts for more than 90% of the organic matrix of bone and is synthesized primarily in bone. During Skeleton renewal, type I collagen is degraded and these small peptide fragments are excreted into the bloodstream.</p> <p>Samples are incubated with two antibodies specific to Amino Acid sequences, one biotinylated, and the other Peroxidase-conjugated. The complex between RatLaps or CrossLaps antigens, the Biotinylated antibody and the Peroxidase-conjugated antibody binds to the surface of a streptavidin coated plate and incubated with chromogenic substrate o produce a color reaction. The color reaction is stopped with sulfuric acid and the absorbance is measured. 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).
Volume:	25ul for Mouse; 50ul for Human; serum or plasma
Range:	Human: ~0.15 - ~2.3 ng/mL Mouse: ~0.5 - ~190 ng/mL
Notes:	Contact Core to arrange sample submission and assay.

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