

Human Calponin 1 Sandwich ELISA Kit

Calponin 1 measurement in Human serum samples

▪ Sensitivity :

Limit of detection (LOD)

14,025 pg/ml.

Lowest concentration significantly different from a blank.

▪ Assay Range :

The assay range [LLOQ – ULOQ] :

125 pg/ml to 3000 pg/ml.

ULOQ & LLOQ = Highest and Lowest limit of quantification respectively.



▪ Precision Intra & Inter-assay :

	Intra-Assay Precision		Inter-Assay Precision	
Sample (pg/ml)	400	1500	400	1500
CV (%)	5,61	5,16	4,6	8

Intra-assay Precision :

Two samples of known concentration (400 and 1500 pg/ml) were tested 30 time within the same plate and by the same operator.

Inter-assay Precision :

Two samples of known concentration (400 and 1500 pg/ml) were tested in 10 separate runs. Assays were performed by at least three different operators.

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▪ Dilution Linearity :

Serum samples containing high concentrations of Calponin 1 were serially diluted with assay diluent.

Samples exhibits a linear dilution between 2-30.

Samples should be diluted to at least 1/2 (**MRD = 2**)

▪ Spike Recovery :

Recombinant Calponin 1 was spiked in serum (n=10) at two concentrations (Low, High) over the range of the assay.

	Recovery %	
Sample (pg/ml)	400	1500
Recovery	97,2 %	95 %

▪ Population and clinical data :

100 serum samples from apparently healthy donors (50 female + 50 male) 18-63 years old were evaluated for the presence of Calponin 1 in this assay.

Population mean (Mean +/- SEM): 141 +/- 18.72 pg/mL

