

Human Caldesmon Sandwich ELISA Kit

Caldesmon measurement in Human serum samples

▪ Sensitivity :

Limit of detection (LOD)

2.08 pg/ml.

Lowest concentration significantly different from a blank.

▪ Assay Range :

The assay range [LLOQ – ULOQ] :

25 pg/ml to 800 pg/ml.

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



▪ Precision Intra & Inter-assay :

	Intra-Assay Precision		Inter-Assay Precision	
	40	700	40	700
Sample (pg/ml)	40	700	40	700
CV (%)	10.01	4.43	10.4	6.4

Intra-assay Precision :

Two samples of known concentration (40 and 700 pg/ml) were tested 30 times within the same plate and by the same operator.

Inter-assay Precision :

Two samples of known concentration (40 and 700 pg/ml) were tested in 10 separate runs. Assays were performed by at least two different operators over two days.

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- Dilution Linearity :**

Serum samples containing Caldesmon were serially diluted with assay diluent.

Samples exhibits a linear dilution between 2-10.

Samples should be diluted for optimal use to at least 1/4 (**MRD = 4**)

- Spike Recovery :**

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

	Recovery %	
Sample (pg/ml)	40	700
Recovery	94,7 %	104,2 %

- 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 Caldesmon in this assay.

Population mean (Mean +/- SEM): 372 +/- 17.1

