

## **PRECISION**

**Intra-assay Precision (Precision within an assay): CV%<15%**

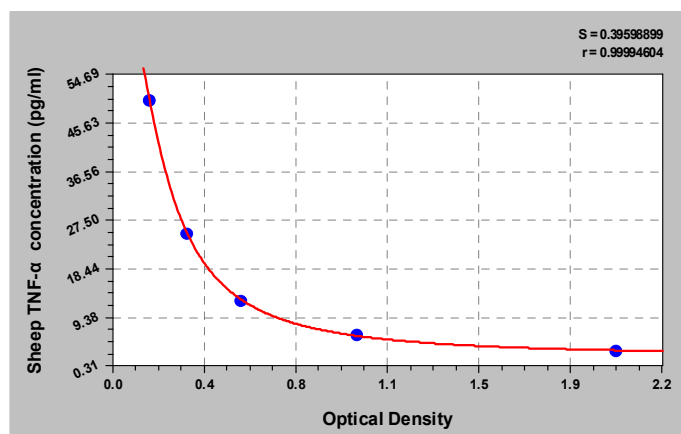
Three samples of known concentration were tested twenty times on one plate to assess.

**Inter-assay Precision (Precision between assays): CV%<15%**

Three samples of known concentration were tested in twenty assays to assess.

## **TYPICAL DATA**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average
50	0.161	0.165	0.163
25	0.308	0.324	0.316
12.5	0.551	0.512	0.532
6.25	1.012	0.982	0.997
3.125	2.054	2.011	2.033

## **LOD**

3.125pg/ml

## **LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of sheep TNF-α in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	84
	Range %	80-88
1:2	Average %	95
	Range %	90-99
1:4	Average %	90
	Range %	85-94
1:8	Average %	102
	Range %	98-109

**RECOVERY**

The recovery of sheep TNF- $\alpha$  spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	89	84-95
EDTA plasma (n=4)	96	90-101

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