



# Human Tumor necrosis factor $\beta$ , TNF- $\beta$ ELISA KIT

<b>Product Code</b>	CSB-E04743h		
<b>Abbreviation</b>	LTA		
<b>Target Name</b>	lymphotoxin alpha (TNF superfamily, member 1)		
<b>Uniprot No.</b>	P01374		
<b>Alias</b>	DAMA-25N12.13, LT, TNFB, TNFSF1, OTTHUMP00000165897 lymphotoxin alpha tumor necrosis factor beta		
<b>Product Type</b>	ELISA Kit		
<b>Immunogen Species</b>	Homo sapiens (Human)		
<b>Sample Types</b>	serum, plasma, cell culture supernates		
<b>Detection Range</b>	15.6 pg/mL-1000 pg/mL		
<b>Sensitivity</b>	3.9 pg/mL		
<b>Assay Time</b>	1-5h		
<b>Sample Volume</b>	50-100ul		
<b>Detection Wavelength</b>	450 nm		
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.		
<b>Research Area</b>	Immunology		
<b>Gene Names</b>	LTA		
<b>Tag Info</b>	quantitative		
<b>Protein Description</b>	Sandwich		
<b>Description</b>	<p>This Human LTA ELISA Kit was designed for the quantitative measurement of Human LTA protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.</p>		
<b>Product Precision</b>	<p>Intra-assay Precision (Precision within an assay): CV%&lt;8%  Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%&lt;10%  Three samples of known concentration were tested in twenty assays to assess.</p>		
<b>Linearity</b>	<p>To assess the linearity of the assay, samples were spiked with high concentrations of human TNF-<math>\beta</math> in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:1	Average %	90
	Range %	83-99
1:2	Average %	87
	Range %	84-93
1:4	Average %	96
	Range %	90-104
1:8	Average %	93
	Range %	86-102

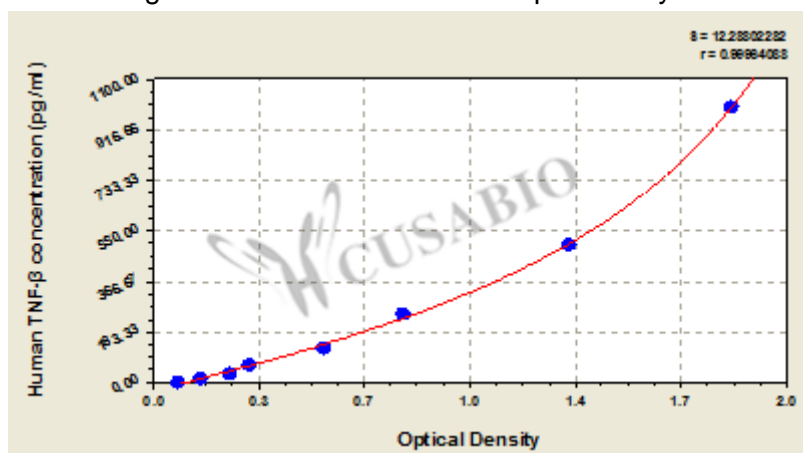
## Recovery

The recovery of human TNF- $\beta$  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)	95	89-100
EDTA plasma (n=4)	97	90-103

## Typical

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	Corrected
1000	1.823	1.911	1.867	1.779
500	1.315	1.376	1.346	1.258
250	0.807	0.816	0.812	0.724
125	0.533	0.573	0.553	0.465
62.5	0.324	0.308	0.316	0.228
31.2	0.259	0.246	0.253	0.165
15.6	0.159	0.163	0.161	0.073
0	0.086	0.090	0.088	

## Msds

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