





## Sheep Transforming growth factor beta-1(TGFB1) **ELISA** kit

Product Code         CSB-EL023446SH           Abbreviation         TGFB1           Target Name         transforming growth factor, beta 1           Uniprot No.         P50414           Alias         CED, DPD1, LAP, TGFB, TGFbeta, TGF-beta 1 protein latency-associated peptide           Product Type         ELISA Kit           Immunogen Species         Ovis aries (Sheep)           Sample Types         serum, plasma           Detection Range         15.6 ng/mL-1000 ng/mL           Sensitivity         3.9 ng/mL           Assay Time         1-5h           Sample Volume         50-100ul           Detection Wavelength         450 nm           Lead Time         3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.           Research Area         Signal Transduction           Gene Names         TGFB1           Tag Info         quantitative           Protein Description         Sandwich           Description         This Sheep TGFB1 ELISA Kit was designed for the quantitative measurement of Sheep TGFB1 protein in serum, plasma. It is a Sandwich ELISA kit, its detection range is 15.6 ng/mL-1000 ng/mL and the sensitivity is 3.9 ng/mL.           Product Precision         Intra-assay Precision (Precision within an assay): CV%<10% Three samples of known concentration were tested in twenty ass		
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Linearity





To assess the linearity of the assay, samples were spiked with high concentrations of sheep TGFB1 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 %	93
	Range %	86-102
1:2	Average %	90
	Range %	82-99
1:4	Average %	95
	Range %	91-99
1:8	Average %	97
	Range %	93-110

## Recovery

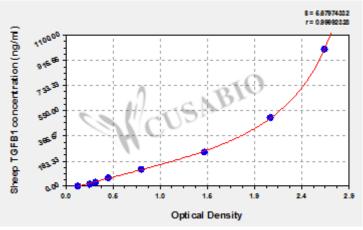
The recovery of sheep TGFB1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	96	89-101
EDTA plasma (n=4)	97	87-105

## **Typical**

**Msds** 

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



ng/ml OD1 OD2 Average Corrected

1000 2.695 2.634 2.665 2.534 500 2.127 2.098 2.113 1.982 250 1.429 1.431 1.430 1.299 125 0.775 0.798 0.787 0.656 62.5 0.446 0.454 0.450 0.319 31.25 0.308 0.325 0.317 0.186 15.6 0.251 0.262 0.257 0.126 0 0.125 0.136 0.131 ?

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