



# Mouse transforming growth factor $\alpha$ , TGF- $\alpha$ ELISA Kit

<b>Product Code</b>	CSB-E07290m
<b>Abbreviation</b>	TGFA
<b>Target Name</b>	transforming growth factor, alpha
<b>Uniprot No.</b>	P48030
<b>Alias</b>	TFGA, transforming growth factor-alpha
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Sample Types</b>	serum, plasma, cell culture supernates, tissue homogenates
<b>Detection Range</b>	12.5 pg/mL-800 pg/mL
<b>Sensitivity</b>	3.12 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>	Signal Transduction
<b>Gene Names</b>	Tgfa
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Mouse TGFA ELISA Kit was designed for the quantitative measurement of Mouse TGFA protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 12.5 pg/mL-800 pg/mL and the sensitivity is 3.12 pg/mL.
<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>	To assess the linearity of the assay, samples were spiked with high concentrations of mouse TGF- $\alpha$ 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 %	96
	Range %	91-103
1:2	Average %	99
	Range %	93-103
1:4	Average %	100
	Range %	96-105
1:8	Average %	95
	Range %	88-98

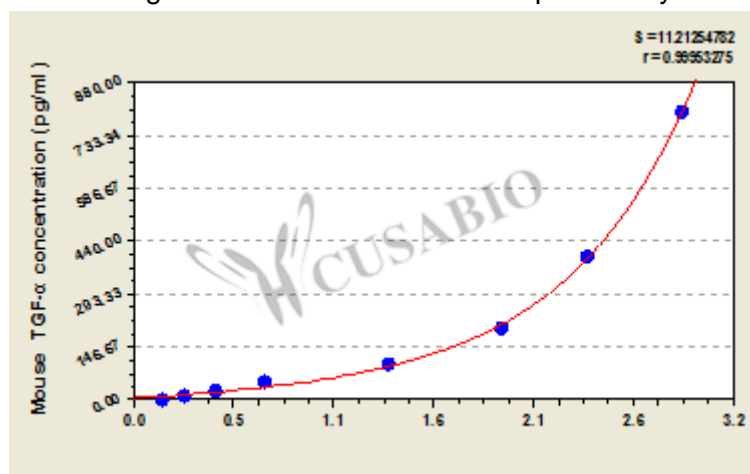
## Recovery

The recovery of mouse TGF- $\alpha$  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)	90	85-96
EDTA plasma (n=4)	92	87-98

## 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
800	2.891	2.874	2.883	2.720
400	2.451	2.332	2.392	2.229
200	1.991	1.887	1.939	1.776
100	1.352	1.345	1.349	1.186
50	0.707	0.692	0.700	0.537
25	0.448	0.431	0.440	0.277
12.5	0.288	0.268	0.278	0.115
0	0.165	0.161	0.163	?

## Msds

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