



Human Protein-glutamine gamma-glutamyltransferase 4(TGM4) ELISA kit

Product Code	CSB-EL023464HU
Abbreviation	TGM4
Target Name	transglutaminase 4 (prostate)
Uniprot No.	P49221
Alias	FLJ26776, TGP, hTGP, prostate-specific transglutaminase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	50 pg/mL-3200 pg/mL
Sensitivity	12.5 pg/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	TGM4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human TGM4 ELISA Kit was designed for the quantitative measurement of Human TGM4 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 50 pg/mL-3200 pg/mL and the sensitivity is 12.5 pg/mL.
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of human TGM4 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 %	86
	Range %	81-97
1:2	Average %	90
	Range %	83-100
1:4	Average %	95
	Range %	89-110
1:8	Average %	95
	Range %	91-99

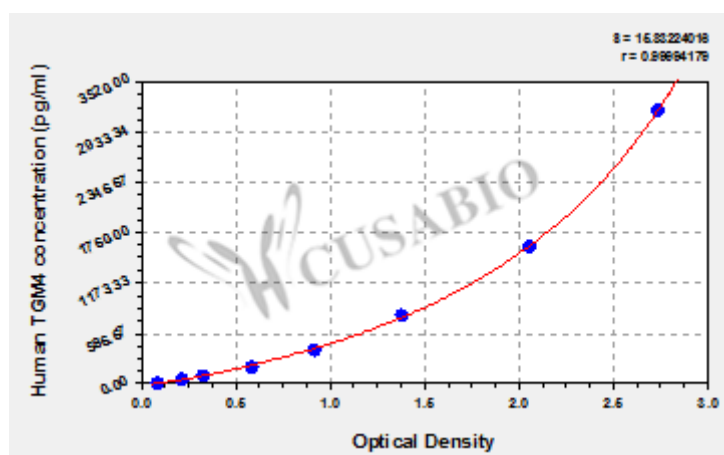
Recovery

The recovery of human TGM4 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	90-104
EDTA plasma (n=4)	93	88-103

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
3200	2.724	2.705	2.715	2.622
1600	2.058	2.017	2.038	1.945
800	1.382	1.369	1.376	1.283
400	0.907	0.924	0.916	0.823
200	0.581	0.584	0.583	0.490
100	0.331	0.339	0.335	0.242
50	0.222	0.220	0.221	0.128
0	0.091	0.095	0.093	?

Msds

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