



# Human Mucin-15(MUC15) ELISA kit

Product Code	CSB-EL015218HU
Abbreviation	MUC15
Target Name	mucin 15, cell surface associated
Uniprot No.	Q8N387
Alias	PAS3, PASIII, mucin 15
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	125 pg/mL-8000 pg/mL
Sensitivity	31.25 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	MUC15
Tag Info	quantitative
Protein Description	Sandwich

## Description

This Human MUC15 ELISA Kit was designed for the quantitative measurement of Human MUC15 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 125 pg/mL-8000 pg/mL and the sensitivity is 31.25 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 MUC15 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 %	97
	Range %	89-103
1:2	Average %	95
	Range %	90-99
1:4	Average %	97
	Range %	87-102
1:8	Average %	103
	Range %	97-108

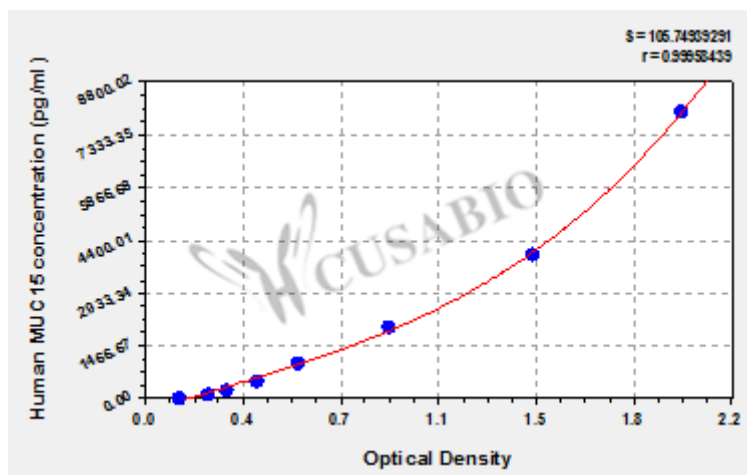
**Recovery**

The recovery of human MUC15 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)	86	81-90
EDTA plasma (n=4)	92	88-98

**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
8000	1.972	2.027	2.000	1.863
4000	1.456	1.436	1.446	1.309
2000	0.902	0.925	0.914	0.777
1000	0.576	0.583	0.580	0.443
500	0.430	0.421	0.426	0.289
250	0.317	0.309	0.313	0.176
125	0.250	0.242	0.246	0.109
0	0.140	0.134	0.137	?

**Msds**

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