



Rat vimentin (VIM)ELISA Kit

Product Code	CSB-E14029r
Abbreviation	VIM
Uniprot No.	P31000
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	23.5 ng/mL-1500 ng/mL
Sensitivity	5.8 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	Cancer
Gene Names	Vim
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat VIM ELISA Kit was designed for the quantitative measurement of Rat VIM protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 23.5 ng/mL-1500 ng/mL and the sensitivity is 5.8 ng/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 rat VIM 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 %	88
	Range %	80-95
1:2	Average %	93
	Range %	88-98



1:4	Average %	97
	Range %	93-102
1:8	Average %	100
	Range %	95-104

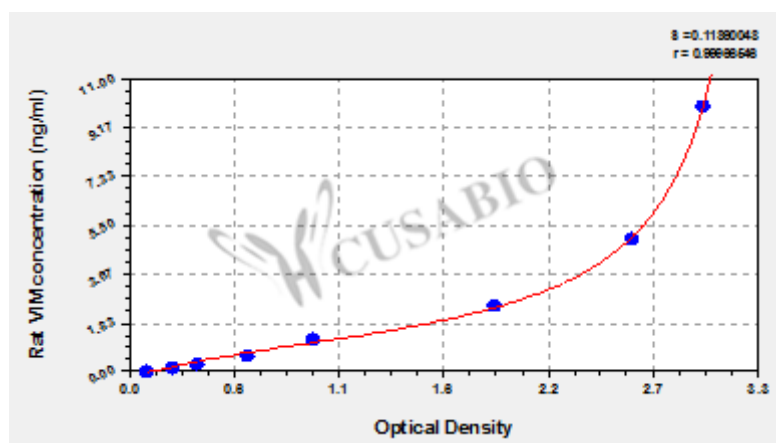
Recovery

The recovery of rat VIM 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)	102	95-107
EDTA plasma (n=4)	90	85-94

Typical

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
10	3.066	2.888	2.977	2.880
5	2.598	2.621	2.610	2.513
2.5	1.958	1.845	1.902	1.805
1.25	0.943	0.978	0.961	0.864
0.625	0.623	0.612	0.618	0.521
0.312	0.366	0.356	0.361	0.264
0.156	0.228	0.229	0.229	0.132
0	0.093	0.101	0.097	?

Msds

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