



Pig neutrophil gelatinase-associated lipocalin(NGAL)ELISA Kit

Product Code	CSB-E16507p										
Abbreviation	NGAL										
Target Name	neutrophil gelatinase-associated lipocalin(NGAL)										
Uniprot No.	F1RRX1										
Product Type	ELISA Kit										
Immunogen Species	Sus scrofa (Pig)										
Sample Types	serum, plasma, tissue homogenates										
Detection Range	7.8 pg/mL-500 pg/mL										
Sensitivity	1.95 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	Metabolism										
Tag Info	quantitative										
Protein Description	Competitive										
Description	This Pig NGAL ELISA Kit was designed for the quantitative measurement of Pig NGAL protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 7.8 pg/mL-500 pg/mL and the sensitivity is 1.95 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 pig NGAL in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td>1:200</td><td>Average %</td><td>105</td></tr><tr><td></td><td>Range %</td><td>101-108</td></tr></table>		?	Sample	Serum(n=4)	1:200	Average %	105		Range %	101-108
?	Sample	Serum(n=4)									
1:200	Average %	105									
	Range %	101-108									



1:400	Average %	96
	Range %	92-98
1:800	Average %	96
	Range %	90-99
1:1600	Average %	89
	Range %	84-93

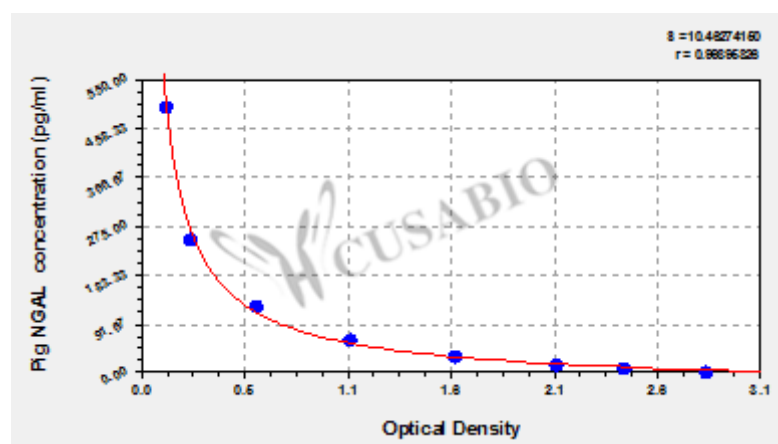
Recovery

The recovery of pig NGAL 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)	91	87-94
EDTA plasma (n=4)	99	99-103

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
500	0.132	0.135	0.134
250	0.254	0.265	0.260
125	0.612	0.563	0.588
62.5	1.054	1.068	1.061
31.2	1.538	1.652	1.595
15.6	2.079	2.122	2.101
7.8	2.435	2.454	2.445
0	2.841	2.878	2.860