



Pig Scavenger receptor cysteine-rich type 1 protein M130(CD163) ELISA kit

Product Code	CSB-EL004882PI
Abbreviation	CD163
Protein Biological Process 1	Immunity
Target Name	CD163 molecule
Uniprot No.	Q2VL90
Alias	M130, MM130, CD163 antigen macrophage-associated antigen
Product Type	ELISA Kit
Immunogen Species	Sus scrofa (Pig)
Protein Biological Process 3	Acute phase
Sample Types	serum, plasma, tissue homogenates
Detection Range	93.75 ng/mL-6000 ng/mL
Sensitivity	23.4 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	Immunology
Gene Names	CD163
Tag Info	quantitative
Protein Description	Sandwich
Description	This Pig CD163 ELISA Kit was designed for the quantitative measurement of Pig CD163 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 93.75 ng/mL-6000 ng/mL and the sensitivity is 23.4 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 pig CD163 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 %	82-90
1:2	Average %	94
	Range %	91-97
1:4	Average %	103
	Range %	100-106
1:8	Average %	99
	Range %	95-103

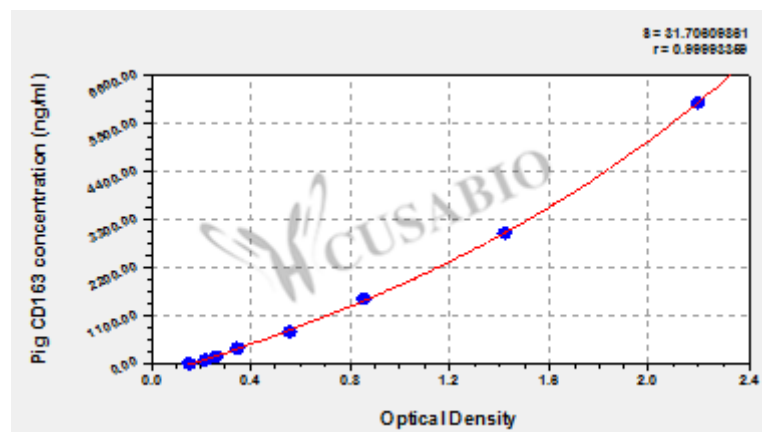
Recovery

The recovery of pig CD163 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	92-98
EDTA plasma (n=4)	89	86-92

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
6000	2.111	2.228	2.170	2.003
3000	1.365	1.455	1.410	1.243
1500	0.845	0.868	0.857	0.690
750	0.555	0.574	0.565	0.398
375	0.369	0.349	0.359	0.192
187.5	0.282	0.263	0.273	0.106
93.75	0.235	0.230	0.233	0.066
0	0.170	0.163	0.167	?

**Msd**

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