Rat Myeloperoxidase (MPO) ELISA kit

Product Code	CSB-E08722r
Abbreviation	MPO
Target Name	myeloperoxidase,MPO
Uniprot No.	D3ZGE2
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 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
Tag Info	quantitative
Protein Description	Sandwich
Description	
	This Rat MPO ELISA Kit was designed for the quantitative measurement of Rat MPO protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 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 MPO 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 %	91
	Range %	86-95
1:2	Average %	94
	Range %	90-98

CUSABIO® Your good partner in biology research

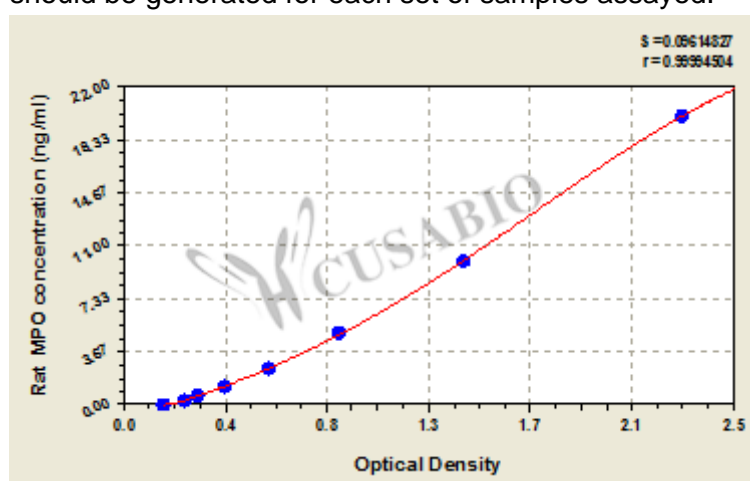| 1:4 | Average % | 91 |
	Range %	85-97
1:8	Average %	97
	Range %	91-102

| Recovery | The recovery of rat MPO 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	89-98
EDTA plasma (n=4)	92	87-98

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
20	2.347	2.232	2.290	2.109
10	1.416	1.386	1.401	1.220
5	0.902	0.887	0.895	0.714
2.5	0.602	0.612	0.607	0.426
1.25	0.421	0.439	0.430	0.249
0.625	0.312	0.326	0.319	0.138
0.312	0.274	0.256	0.265	0.084
0	0.182	0.180	0.181	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E08722r.pdf","filename":"MSDS"}}