



Rat OX-2 membrane glycoprotein(CD200) ELISA kit

Product Code	CSB-EL004895RA
Abbreviation	CD200
Target Name	CD200 molecule
Uniprot No.	P04218
Alias	MOX1, MOX2, MRC, OX-2, CD200 antigen MRC OX-2 antigen OX-2 membrane glycoprotein antigen identified by monoclonal antibody MRC OX-2
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	47 pg/mL-3000 pg/mL
Sensitivity	11.75 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	Cardiovascular
Gene Names	Cd200
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat CD200 ELISA Kit was designed for the quantitative measurement of Rat CD200 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 47 pg/mL-3000 pg/mL and the sensitivity is 11.75 pg/mL.
Target Details	This protein is a type-1 membrane glycoprotein, which contains two immunoglobulin domains, and thus belongs to the immunoglobulin superfamily. Studies of the related genes in mouse and rat suggest that this gene may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene.
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 CD200 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 %	84
	Range %	80-88
1:2	Average %	90
	Range %	86-94
1:4	Average %	95
	Range %	90-100
1:8	Average %	92
	Range %	88-96

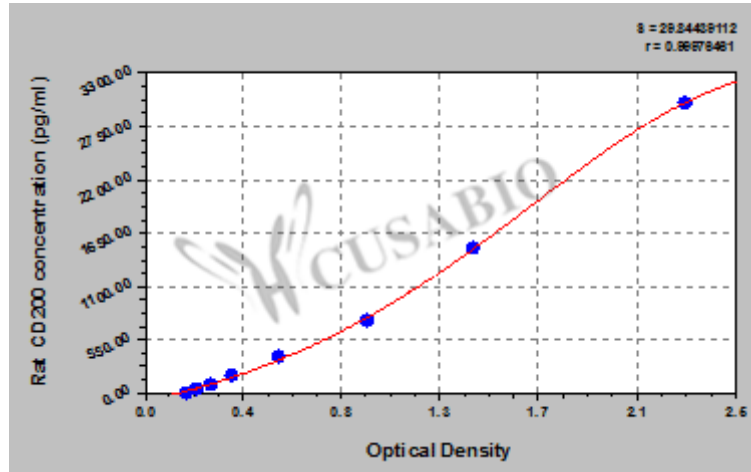
Recovery

The recovery of rat CD200 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)	106	102-113
EDTA plasma (n=4)	98	94-102

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
3000	2.271	2.317	2.294	2.103
1500	1.429	1.369	1.399	1.208
750	0.928	0.984	0.956	0.765
375	0.589	0.568	0.579	0.388
187.5	0.396	0.372	0.384	0.193
94	0.288	0.304	0.296	0.105
47	0.240	0.231	0.236	0.045
0	0.188	0.193	0.191	?

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL004895RA.pdf","filename":"MSDS"}}