



Rat triggering receptor expressed on myeloid cells 2(TREM2) ELISA kit

Product Code	CSB-EL024405RA
Abbreviation	TREM2
Target Name	triggering receptor expressed on myeloid cells 2
Alias	TREM-2, Trem2a, Trem2b, Trem2c, triggering receptor expressed on monocytes 2 triggering receptor expressed on myeloid cells 2a
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	15.6 pg/mL-1000 pg/mL
Sensitivity	3.9 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	Immunology
Gene Names	TREM2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat TREM2 ELISA Kit was designed for the quantitative measurement of Rat TREM2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 15.6 pg/mL-1000 pg/mL and the sensitivity is 3.9 pg/mL.
Target Details	This protein is a membrane protein that forms a receptor signaling complex with TYROBP. The encoded protein may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS).
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 TREM2 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 %	97
	Range %	92-101
1:2	Average %	106
	Range %	101-115
1:4	Average %	88
	Range %	84-92
1:8	Average %	93
	Range %	86-98

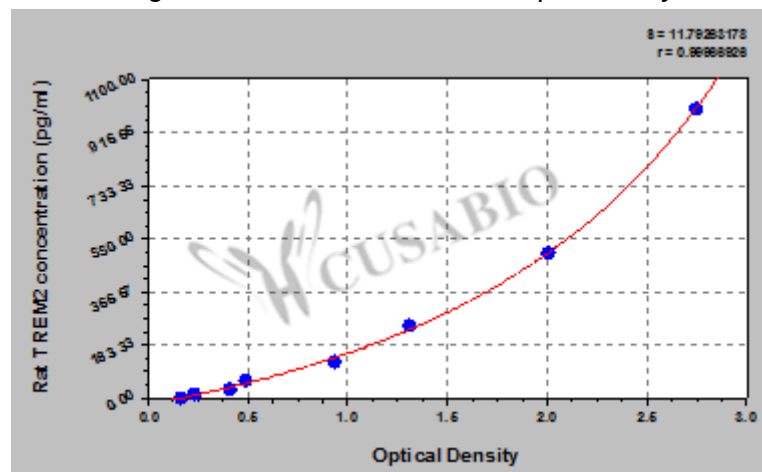
Recovery

The recovery of rat TREM2 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	88-96

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
1000	2.660	2.754	2.707	2.530
500	1.957	2.006	1.982	1.805
250	1.309	1.293	1.301	1.124
125	0.919	0.937	0.928	0.751
62.5	0.482	0.501	0.492	0.315
31.2	0.407	0.425	0.416	0.239
15.6	0.247	0.238	0.243	0.066
0	0.174	0.180	0.177	

Msds

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