

Human Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) ELISA Kit | TREM2 elisa kit

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CATALOG # AAA187136	REACTIVITY Human
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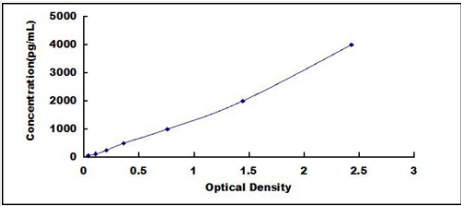
PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 2 (TREM2); Human Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) ELISA Kit; Trem2a; Trem2b; Trem2c; Triggering receptor expressed on monocytes 2; TREM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Triggering Receptor Expressed On Myeloid Cells 2 (TREM2). No significant cross-reactivity or interference between Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) and analogues was observed.
Sequence Length	222
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	< 25.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TREM2 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Triggering Receptor Expressed On Myeloid Cells 2 (TREM2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Triggering Receptor Expressed On Myeloid Cells 2 (TREM2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Triggering Receptor Expressed On Myeloid Cells 2 (TREM2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9507203
NCBI GeneID	54209
NCBI Accession #	NP_061838.1
NCBI GenBank Nucleotide #	NM_018965.3
UniProt Accession #	Q9NZC2; Q8N5H8; Q8WYN6
Molecular Weight	24,669 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 2 isoform 1
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 2
NCBI Official Symbol	TREM2
NCBI Official Synonym Symbols	TREM-2; Trem2a; Trem2b; Trem2c
NCBI Protein Information	triggering receptor expressed on myeloid cells 2
UniProt Protein Name	Triggering receptor expressed on myeloid cells 2
UniProt Gene Name	TREM2
UniProt Synonym Gene Names	TREM-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.