

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

Mouse Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) Mini Samples ELISA Kit

CATALOG # AAA161642	REACTIVITY Mouse
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PRODUCT SYNONYMS

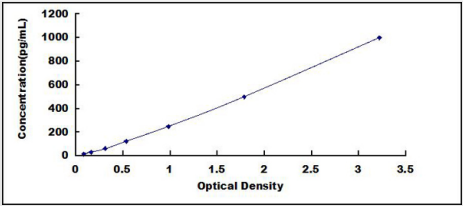
Triggering Receptor Expressed On Myeloid Cells 2 (TREM2); Mouse Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) Mini Samples ELISA Kit; TREM2 Mini-sample ELISA kit (Mouse); Trem2a; Trem2b; Trem2c; Triggering receptor expressed on monocytes 2; TREM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Triggering Receptor Expressed On Myeloid Cells 2 (TREM2). No significant cross-reactivity or interference between Mini Samples Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) and analogues was observed. Reactive with Mouse TREM2/Triggering Receptor Expressed On Myeloid Cells 2
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Method	Colormetric
Featured Series	ME kit
Detection Range	15.6-1,000pg/mL
Sensitivity	5.5pg/mL
Sample Size	15-25uL
Assay Time	3h
Function	Detects protein (micro-volume samples 15-25 ul)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples 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 Mini Samples 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%
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 25ul standard or sample to each well. Incubate 1 hour at 37 degree C 3. Aspirate and add 25ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 25ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 25ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 20ul Stop Solution. Read at 450nm immediately.

Test Principle	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 Mini Samples 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 Mini Samples 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 Mini Samples 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 Mini Samples 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.
Research Area	CD & Adhesion molecule
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life) 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)
Typical Standard Curve for TREM2 ELISA (Sandwich)

NCBI AND UNIPROT INFORMATION

NCBI GI #	440918700
NCBI GeneID	83433
NCBI Accession #	NP_001259007.1
NCBI GenBank Nucleotide #	NM_001272078.1
UniProt Accession #	Q99NH8; Q8CGK4; Q8CIA6; Q99NH9; Q9JL34
Molecular Weight	27,304 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 2 isoform 2
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; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2a; triggering receptor expressed on myeloid cells 2b; triggering receptor expressed on myeloid cells 2c
UniProt Protein Name	Triggering receptor expressed on myeloid cells 2
UniProt Gene Name	Trem2
UniProt Synonym Gene Names	Trem2a; Trem2b; Trem2c; TREM-2
UniProt Entry Name	TREM2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/triggering-receptor-expressed-on-myeloid-cells-2-trem2/161642>