

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

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CATALOG #

AAA20565

REACTIVITY

Human

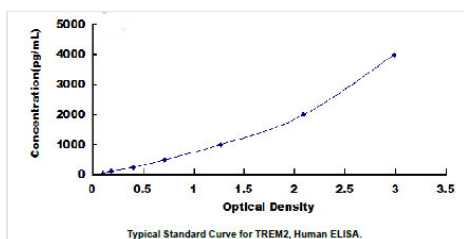
PRODUCT SYNONYMS

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 TREM2. No significant cross-reactivity or interference between 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	25.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TREM2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TREM2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TREM2 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TREM2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 TREM2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TREM2 elisa kit	CD & Adhesion molecule
References	TREM1 facilitates microglial phagocytosis of amyloid beta; Acta Neuropathol; 2016 Nov;132(5):667-683.; PMID: 27670763 ; T Jiang; Department of Neurology, Nanjing First Hospital, Nanjing Medical University, No.68, Changle Road, Nanjing, Jiangsu, People's Republic of China.

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
UniProt Entry Name	TREM2_HUMAN

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.