

Human triggering receptor expressed on myeloid cells 1 ELISA Kit | TREM1 elisa kit

Human Triggering Receptor Expresses on Myeloid Cells-1, TREM-1 ELISA Kit

CATALOG #
AAA79908

REACTIVITY
Human

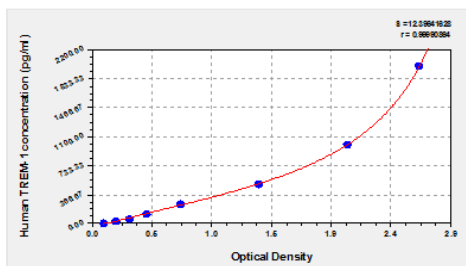
PRODUCT SYNONYMS

triggering receptor expressed on myeloid cells 1; Human Triggering Receptor Expresses on Myeloid Cells-1; TREM-1 ELISA Kit; TREM-1; triggering-receptor TREM1; TREM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TREM1. No significant cross-reactivity or interference between Human TREM1 and analogues was observed.
Sequence Length	225
Samples	Serum, plasma, tissue homogenates
Detection Range	31.25pg/ml-2000pg/ml
Sensitivity	7.81 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TREM1 elisa kit	Introduction: The triggering receptor expressed on myeloid cells (TREM-1) is a recently identified activating receptor on neutrophil granulocytes (PMN), monocytes, and macrophage subsets. The expression of TREM-1 is upregulated by microbial products, that is, by toll-like receptor ligands such as lipoteichoic acid (LTA) of Gram-positive or lipopolysaccharide (LPS) of Gram-negative bacteria. Ligation of TREM-1 is synergistic with TLR agonists on the activation of receptor bearing cells for the release of inflammatory mediators like TNF-alpha and IL-8 and the initiation of neutrophil respiratory burst. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TREM-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for TREM-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain TREM-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of TREM-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	336088680
NCBI GeneID	54210
NCBI Accession #	NP_001229518.1
NCBI GenBank Nucleotide #	NM_001242589.1
UniProt Accession #	Q9NP99; Q53FL8; Q5T2C9; Q86YU1; B4DWG2; K7EJW1
Molecular Weight	26,387 Da
NCBI Official Full Name	triggering receptor expressed on myeloid cells 1 isoform 2
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells 1
NCBI Official Symbol	TREM1
NCBI Official Synonym Symbols	CD354; TREM-1
NCBI Protein Information	triggering receptor expressed on myeloid cells 1; triggering-receptor TREM1; triggering receptor expressed on monocytes 1
UniProt Protein Name	Triggering receptor expressed on myeloid cells 1
UniProt Gene Name	TREM1
UniProt Synonym Gene Names	TREM-1
UniProt Entry Name	TREM1_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.

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Online datasheet: <https://stage.aaabiotech.com/trem1-human-elisa-kits/triggering-receptor-expressed-on-myeloid-cells-1/79908>