

# Porcine Triggering Receptor Expressed On Myeloid Cells 1 (TREM1) ELISA Kit | TREM1 elisa kit

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|------------------------------|------------------------------|
| CATALOG #<br><b>AAA20339</b> | REACTIVITY<br><b>Porcine</b> |
|------------------------------|------------------------------|

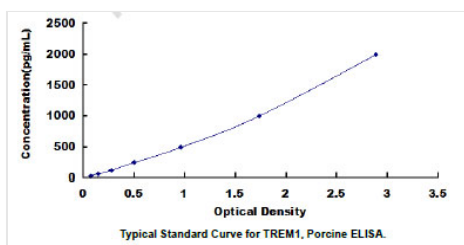
## PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 1 (TREM1); Porcine Triggering Receptor Expressed On Myeloid Cells 1 (TREM1) ELISA Kit; CD354; Triggering Receptor Expressed On Monocytes-1; TREM1 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of TREM1. No significant cross-reactivity or interference between TREM1 and analogues was observed.                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                 | Serum, Plasma, Tissue homogenatesand other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Detection Range         | 31.2-2,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 13.1pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TREM1 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 TREM1 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.<br>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 TREM1 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TREM1 in porcine serum, plasma, tissue homogenatesand other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TREM1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TREM1. 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 TREM1, 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 TREM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
| Product Categories/Family for TREM1 elisa kit   | Cytokine; Infection immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                      | Changes in Biomarkers and Hemodynamics According to Antibiotic Susceptibility in a Model of Bacteremia; Microbiol Spectr; 2022 Aug 31;10(4):e0086422.; PMID: 35862959; Inwon Park; Department of Emergency Medicine, Seoul National University Bundang Hospitalgrid.412480.b, Gyeonggi-do, Republic of Korea.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 10946760                                         |
| NCBI GeneID                      | 58217                                            |
| NCBI Accession #                 | NP_067381.1                                      |
| NCBI GenBank Nucleotide #        | NM_021406.5                                      |
| UniProt Accession #              | Q9JKE2; Q3TAL7                                   |
| Molecular Weight                 | 25,409 Da                                        |
| NCBI Official Full Name          | triggering receptor expressed on myeloid cells 1 |
| NCBI Official Synonym Full Names | triggering receptor expressed on myeloid cells 1 |
| NCBI Official Symbol             | Trem1                                            |
| NCBI Protein Information         | triggering receptor expressed on myeloid cells 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_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.