

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

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CATALOG #  
**AAA330359**

REACTIVITY  
**Human**

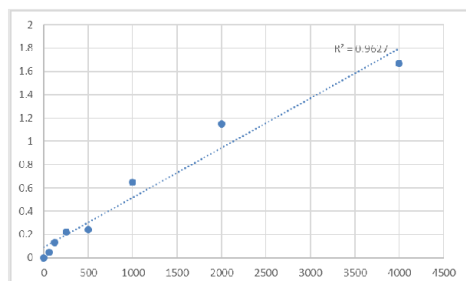
## PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 2 (TREM2); Human Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) ELISA Kit; TREM2; TREM-2; Trem2a; Trem2b; Trem2c; triggering receptor expressed on monocytes 2; triggering receptor expressed on myeloid cells 2a; TREM2 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Triggering receptor expressed on myeloid cells 2 (TREM2) ELISA Kit has high sensitivity and excellent specificity for detection of Human TREM2. No significant cross-reactivity or interference between Human TREM2 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length         | 230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## IMAGES



Standard Curve (Sample)

Fig.1. Human Triggering receptor expressed on myeloid cells 2 (TREM2) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TREM2 elisa kit | <p>Description: This Human Triggering receptor expressed on myeloid cells 2 (TREM2) ELISA Kit employs a two-site sandwich ELISA to quantitate TREM2 in samples. An antibody specific for TREM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TREM2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TREM2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TREM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: TREM2 is a membrane protein that forms a receptor signaling complex with TYROBP. The encoded protein may be involved in chronic inflammation by triggering the production of constitutive inflammatory cytokines. Defects in this gene are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL). Monocyte/macrophage- and neutrophil-mediated inflammatory responses can be stimulated through a variety of receptors, including G protein-linked 7-transmembrane receptors, Fc receptors, CD14 and Toll-like receptors, and cytokine receptors. Engagement of these receptors can also prime myeloid cells to respond to other stimuli. Myeloid cells express receptors belonging to the Ig superfamily, such as TREM2, or to the C-type lectin superfamily.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 9507203                                                    |
| NCBI GeneID                      | 54209                                                      |
| NCBI Accession #                 | NP_061838                                                  |
| NCBI GenBank Nucleotide #        | NP_061838.1                                                |
| UniProt Accession #              | Q9NZC2                                                     |
| 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    | PLOSL2; 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                | <b>TREM2</b>                                               |
| 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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/triggering-receptor-expressed-on-myeloid-cells-2-trem2/330359>