

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

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CATALOG # AAA332073	REACTIVITY Mouse
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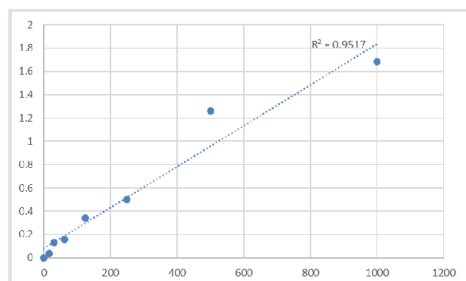
PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 2 (TREM2); Mouse Triggering Receptor Expressed On Myeloid Cells 2 (TREM2) 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

Reactivity	Mouse
Specificity	Mouse Triggering receptor expressed on myeloid cells 2 (TREM2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TREM2. No significant cross-reactivity or interference between Mouse TREM2 and analogues was observed.
Sequence Length	249
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

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

ADDITIONAL INFORMATION

Related Product Information for TREM2 elisa kit	Description: This Mouse 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. Background: TREML1 is located in a gene cluster on chromosome 6 with the single Ig variable (IgV) domain activating receptors TREM1 and TREM2, but it has distinct structural and functional properties. TREML1 enhances calcium signaling in an SHP2 (PTPN11)-dependent manner. TLT1 has a calculated molecular mass of 33 kD. Unlike other TREM proteins, the IgV domain of TLT1 has no potential N-glycosylation sites. The transmembrane domain of TLT1 lacks charged residues, and the 127-amino acid cytoplasmic region has 2 tyr residues (Y245 and Y281), each in an ITIM.truncation results in a membrane-bound form of TLT1 lacking the ITIMs. RT-PCR analysis detected weak expression of TLT1 in monocyte, B-cell, and T-cell lines. TLT1 expression could be upregulated by mitogen stimulation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	440918700
NCBI GeneID	83433
NCBI Accession #	NP_001259007.1
NCBI GenBank Nucleotide #	NP_001259007.1
UniProt Accession #	Q99NH8
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
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.