

Human Triggering Receptor Expressed On Myeloid Cells 1, TREM1 ELISA Kit | TREM1 elisa kit

Human Triggering Receptor Expressed On Myeloid Cells 1, TREM1 Primacu ELISA Kit

CATALOG #
AAA124295

REACTIVITY
Human

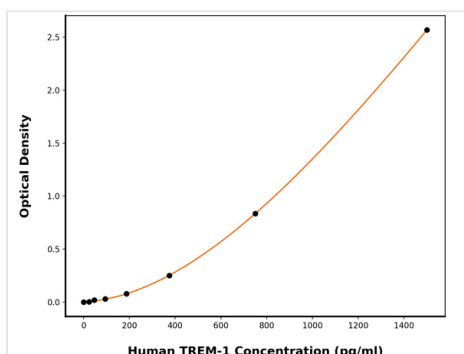
PRODUCT SYNONYMS

Triggering Receptor Expressed On Myeloid Cells 1; TREM1; Human Triggering Receptor Expressed On Myeloid Cells 1; TREM1 Primacu ELISA Kit; Triggering receptor expressed on myeloid cells 1; TREM-1; TREM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	23.44-1500pg/mL
Sensitivity	5.61pg/mL
Standard Solution	15ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for TREM1 elisa kit	TREM1 (triggering receptor expressed on myeloid cells) is a type I transmembrane protein with a single Ig-like domain, and is selectively expressed on blood neutrophils and a subset of monocytes. As a member of the growing family of receptors related to NK cell receptors, TREM1 activates downstream signaling events with the help of an adapter protein called DAP12. Expression of TREM1 is up-regulated by bacterial LPS, a ligand for TLR4, as well as lipoteichoic acid. Although its natural ligand has not been identified, engagement of TREM1 with agonist mAbs triggers secretion of the proinflammatory cytokines TNF-alpha and IL-1beta, as well as chemokines such as IL-8 and monocyte chemoattractant protein (MCP)-1. Intracellularly, TREM1 induces Ca2+ mobilization and tyrosine phosphorylation of extracellular signal-related kinase 1 (ERK1), ERK2 and phospholipase C-gamma. In an animal model of LPS-induced septic shock, blockade of TREM1 signaling inhibited hyperresponsiveness and death. Thus, it has been demonstrated that TREM1 performs a critical function in immune responses involved in host defense against microbial challenges, and is suggested to be a potential therapeutic target for septic shock.
Product Categories/Family for TREM1 elisa kit	Primacu ELISA Kit; Immunology; Neuroscience

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
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.