

Rabbit anti-Mouse TREM-1 Polyclonal Antibody | anti-TREM1 antibody

Anti-TREM-1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254751	Rabbit	Mouse	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

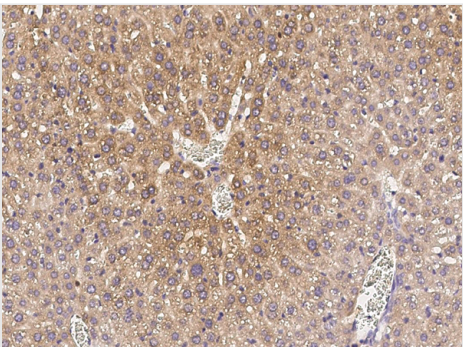
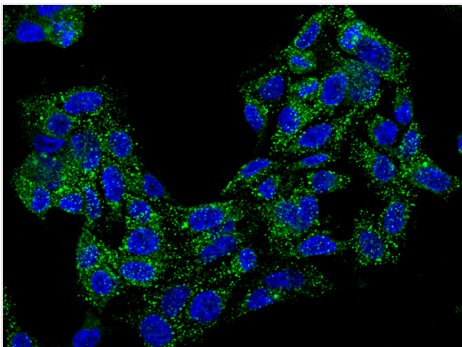
PRODUCT SYNONYMS

TREM-1; Polyclonal Antibody; Anti-TREM-1 Antibody; Rabbit Polyclonal; TREM-1/TREM1 Antibody; Rabbit PAb; Antigen Affinity Purified; triggering receptor expressed on myeloid cells 1; anti-TREM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse TREM-1/TREM1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TREM1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse TREM-1/TREM1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse TREM-1/TREM1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of TREM1 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human TREM1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of mouse TREM1 in mouse liver with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-TREM1 antibody	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.
References	Bouchon, A. et al., 2000, J. Immunol. 164: 4991-4995. Bouchon, A. et al., 2001, Nature. 410: 1103-1107. Bleharski, J.R. et al., 2003, J. Immunol. 170: 3812-3818.

NCBI AND UNIPROT INFORMATION

NCBI GI #	81175033
NCBI GeneID	58217
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; triggering receptor expressed in 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_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/trem-1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254751>