

TREM-1 Antibody | anti-TREM-1 antibody

Anti-TREM-1 [14F69]

CATALOG # AAA72344	REACTIVITY Human, Cynomolgus Monkey, Rhesus Monkey	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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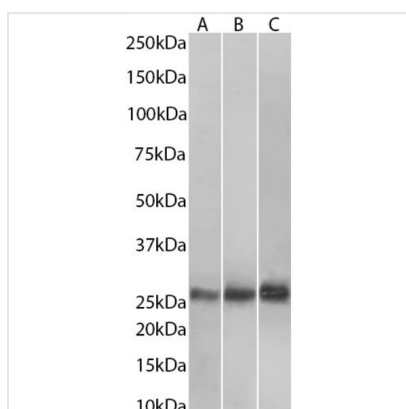
PRODUCT SYNONYMS

TREM-1; Anti-TREM-1 [14F69]; TREM1; CD354; Triggering receptor expressed on myeloid cells 1; Triggering receptor expressed on monocytes 1; anti-TREM-1 antibody

PRODUCT SPECIFICATIONS

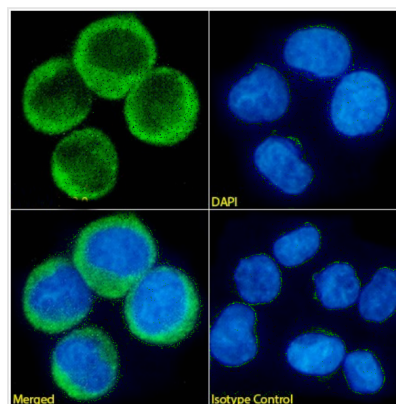
Reactivity	Human, Cynomolgus Monkey, Rhesus Monkey
Isotype	Rabbit IgG kappa
Clone Number	14F69
Specificity	This antibody binds human, cynomolgus monkey and rhesus monkey TREM-1. TREM1 is a receptor that is expressed on monocytes, macrophages, neutrophils and dendritic cells. It plays important roles in innate and adaptive immunity by amplifying inflammatory responses. When activated, TREM-1 associates with the ITAM-containing signaling adaptor protein, DAP12. Downstream signalling may include activation of the NFAT transcription factor, causing an upregulation of pro-inflammatory cytokine production.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TREM-1 antibody	Blocking, FCM/FACS (Flow Cytometry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western blot using anti-TREM-1 antibody 14F69. Human spleen (A), bone marrow (B), and liver (C) tissue lysates (35ug protein in RIPA buffer) were resolved via SDS-PAGE, and the subsequent blots were probed with the chimeric rabbit version of 14F69 (AAA72344) at 0.1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1 hour was used, and proteins were detected by chemiluminescence.



IF (Immunofluorescence)

Immunofluorescence staining of K562 cells with anti-TREM-1 antibody 14F69. Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of 14F69 (AAA72344) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72344, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TREM-1 antibody	The original antibody was generated by immunizing both wild type BALB/c mice and TREM-1 knock-out (KO) mice (C57BL/6 background) with either human TREM-1, cells expressing hTREM-1 (BWZ.36 cells), or a combination of both. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-TREM-1 antibody	cell signalling; inflammation; prognostic marker; COVID-19

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.

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Online datasheet: <https://stage.aaabiotech.com/cynomolgus-monkey-human-monkey-rhesus-monkey-antibody/trem-1/72344>