

TREM-1 Antibody | anti-TREM-1 antibody

Anti-TREM-1 [14F69]

CATALOG # AAA72343	REACTIVITY Human, Cynomolgus Monkey, Rhesus Monkey	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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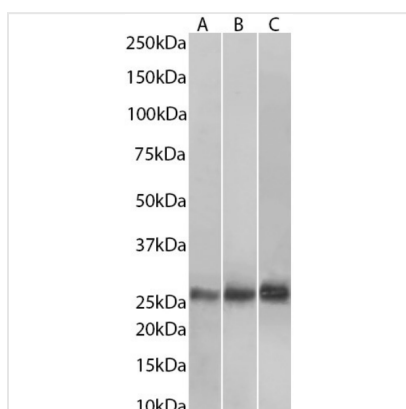
PRODUCT SYNONYMS

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

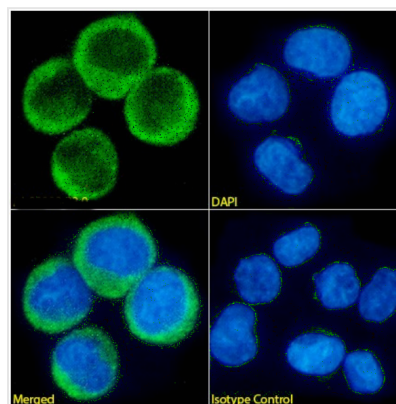
Reactivity	Human, Cynomolgus Monkey, Rhesus Monkey
Isotype	Mouse IgG2a kappa
Clone Number	14F69
Specificity	This antibody binds human, cynomolgus monkey and rhesus monkey TREM-1. TREM1 is a receptor that is expressed on monocytes, macrophages, neutrophils and dendritic cells. It plays important roles 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 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 (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, 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.
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.