

Mouse anti-Human TREM-1 Monoclonal Antibody | anti-TREM-1 antibody

TREM-1, Human, mAb 6B1

CATALOG # AAA77778	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Functional Assay, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

TREM-1; Monoclonal Antibody; Human; mAb 6B1; triggering receptor expressed on myeloid cells 1; TREM1; anti-TREM-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Purity/Purification	Protein G
Form/Format	0.2 um filtered in PBS+0.1%BSA
Concentration	100mg/mL (varies by lot)
Sequence Length	225
Applicable Applications for anti-TREM-1 antibody	WB (Western Blot), IA (Immunoassay), FA (Functional Assay), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant TREM-1 - IgG1 fusion protein.
Preparation and Storage	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

ADDITIONAL INFORMATION

Related Product Information for anti-TREM-1 antibody	The monoclonal antibody 6B1 recognizes human triggering receptor expressed on myeloid cells 1 (TREM-1). TREM-1 is a transmembrane glycoprotein belonging to a family related to the natural killer cell receptors. TREM-1 is an important activating receptor, of 26 kDa, involved in the innate inflammatory response and in sepsis. TREM-1 is expressed at low levels in the early development of the hematopoietic system and in the promonoistic stage and at high levels on neutrophil granulocytes (PMN), monocytes, and macrophage subsets. The expression of TREM-1 is upregulated by microbial products, that is, by toll-like receptor ligands such as lipoteichoic acid (LTA) of Gram-positive or lipopolysaccharide (LPS) of Gram-negative bacteria. Ligation of TREM-1 is synergistic with TLR agonists on the activation of receptor bearing cells. Platelets express a natural ligand for TREM-1. Receptor ligation activates the full repertoire of effector functions. TREM-1 is also produced in a soluble form (sTREM-1) of 17 kDa which is released in humans after endotoxin exposition or in patients suffering from severe pneumonia or sepsis. sTREM-1 can be measured in biological fluids and may be useful as a tool. The monoclonal antibody 6B1 recognizes both membrane bound and soluble TREM-1. Also, the monoclonal antibody 6B1 neutralizes the interaction between TREM-1 and its ligand.
References	1. Radsak, M et al; Soluble triggering receptor expressed on myeloid cells 1 is released in patients with stable chronic obstructive pulmonary disease. Clin Dev Immunol 2007, 2007: 52040 2. Haselmayer, P et al; TREM-1 ligand expression on platelets enhances neutrophil activation. Blood 2007, 110: 1029

NCBI AND UNIPROT INFORMATION

NCBI GI #	336088680
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NCBI GeneID	54210
NCBI Accession #	NP_001229518.1
NCBI GenBank Nucleotide #	NM_001242589.1
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/monoclonal/trem-1-antibody-western-blot-immunoassay-functional-assay-flow-cytometry-elisa/77778>