Mouse anti-Human TLT-1/TREML1 Monoclonal Antibody | anti-TREML1 antibody

Anti-TLT-1/TREML1 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255487	**Mouse**	**Human**	**ELISA**

PRODUCT SYNONYMS

TLT-1/TREML1; Monoclonal Antibody; Anti-TLT-1/TREML1 Antibody; Mouse Monoclonal; TLT-1/TREML1 Antibody; Mouse MAb; triggering receptor expressed on myeloid cells like 1; Anti-dJ238O23.3 Antibody; Anti-GLTL1825 Antibody; Anti-MGC119173 Antibody; Anti-PRO3438 Antibody; Anti-TLT-1 Antibody; Anti-TLT1 Antibody; Anti-UNQ1825/PRO3438 Antibody; anti-TREML1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	15
Specificity	Human TLT-1/TREML1
Purity/Purification	Protein A
Form/Format	0.2um filtered solution in PBS
Applicable Applications for anti-TREML1 antibody	ELISA
Immunogen	Recombinant Human TLT-1/TREML1 Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human TLT-1/TREML1 (rh TLT-1/TREML1). The IgG fraction of the cell culture supernatant was purified by Protein A 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.

ADDITIONAL INFORMATION

Related Product Information for anti-TREML1 antibody	Trem-like transcript 1 protein, also known as Triggering receptor expressed on myeloid cells-like protein 1, TREML1 and TLT-1, is a cytoplasm and single-pass type I membrane protein. TREML1/TLT-1 is expressed exclusively in platelets and megakaryocytes (MKs) and that its expression is up-regulated dramatically upon platelet activation. It is a receptor that may play a role in the innate and adaptive immune response. TREML1/TLT-1 contains the characteristic single V-set immunoglobulin (Ig) domain, its longer cytoplasmic tail is composed of both a proline-rich region and an immune receptor tyrosine-based inhibitory motif, the latter known to be used for interactions with protein tyrosine phosphatases. The triggering receptors expressed on myeloid cells (TREMs) have drawn considerable attention due to their ability to activate multiple cell types within the innate immune system, including neutrophils, monocyte/macrophages, and dendritic cells, via their association with DAP12. TREML1/TLT-1 is prepackaged, along with CD62P, into both MK and platelet alpha-granules. Differences in thrombin-induced redistribution of CD62P and TREML1 indicate that TREML1 is not simply cargo of alpha-granules but may instead regulate granule construction or dispersal. TREML1/TLT-1 does not function to inhibit members of the TREM family but instead may play a role in maintaining vascular hemostasis and regulating coagulation and inflammation at sites of injury.

Product Categories/Family for anti-TREML1 antibody	ITIM/ITAM Immunoreceptors and Related Molecules
References	Washington A.V., et al., 2002, Blood 100:3822-4. Allcock R.J.N., et al., 2003, Eur. J. Immunol. 33:567-77. Washington A.V., et al., 2004, Blood 104:1042-7. Barrow A.D., et al., 2004, J. Immunol. 172:5838-42. Gattis J.L., et al., 2006, J. Biol. Chem. 281:13396-403.

NCBI AND UNIPROT INFORMATION

NCBI GI #	424036738
NCBI GeneID	340205
NCBI Accession #	NP_001258736.1
NCBI GenBank Nucleotide #	NM_001271807.1
UniProt Accession #	Q86YW5; Q496B3; Q8IWY1; Q8IWY2
NCBI Official Full Name	trem-like transcript 1 protein isoform b
NCBI Official Synonym Full Names	triggering receptor expressed on myeloid cells like 1
NCBI Official Symbol	TREML1
NCBI Official Synonym Symbols	TLT1; TLT-1; PRO3438; GLTL1825; dJ238O23.3
NCBI Protein Information	trem-like transcript 1 protein
UniProt Protein Name	Trem-like transcript 1 protein
UniProt Gene Name	**TREML1**
UniProt Synonym Gene Names	TLT1; TLT-1
UniProt Entry Name	TRML1_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/tlt-1-treml1-antibody-clone-15-elisa/255487