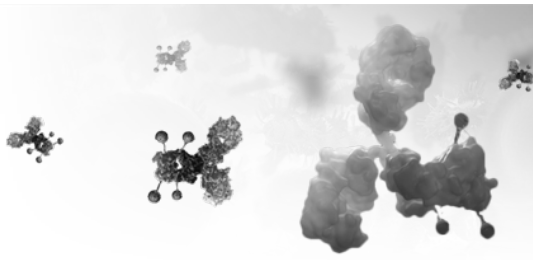

Mouse Anti-Human TLT-1/TREML1 monoclonal antibody, clone NN26 (CABT-ZB704)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human TLT-1/TREML1
Target	TREML1
Immunogen	Recombinant Human TLT-1/TREML1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN26
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB704 - CABT-ZB1031 This antibody will detect TLT-1/TREML1 in antibody pair set. [ABPR-ZB283]
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. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	TREML1; triggering receptor expressed on myeloid cells-like 1; trem-like transcript 1 protein; dJ238O23.3

GENE INFORMATION

Synonyms	TREML1; triggering receptor expressed on myeloid cells-like 1; trem-like transcript 1 protein; dJ238O23.3; TLT1; TREM like transcript 1; triggering receptor expressed on myeloid cells-like protein 1; TLT-1; PRO3438; GLTL1825; MGC119173
Entrez Gene ID	340205
UniProt ID	Q86YW5

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