

Polyclonal Antibody to TREML1 (C-term) - Aff - Purified

Alternate names:	TLT-1, TLT1, Trem-like transcript 1 protein, Triggering receptor expressed on myeloid cells-like protein 1
Catalog No.:	TA311600
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	<p>The TREMs (triggering receptors expressed on myeloid cells) represent a family of 5 receptors clustered on murine chromosome 17. TREM-like transcript-1 (TLT-1) was initially characterized as the putative inhibitory receptor within the TREM locus on chromosome 6 and was suggested to play a critical role in modulating TREM-associated immunity. It may also play a significant role in maintaining vascular hemostasis, coagulation, and inflammation at sites of injury through its location in platelets.</p> <p>TREML1 is the first ITIM-containing receptor carrying a potential Src homology 3 domain ligand. TREML1 transcripts are abundant in bone marrow cells, but not in lymphocytes, and phosphorylated TREML1 associates with SHP-1, suggesting that it is indeed an inhibitory receptor.</p>
Uniprot ID:	Q86YW5
NCBI:	NP_835468.1
GenEID:	340205
Host:	Goat
Immunogen:	Peptide from the C-Terminus of the protein sequence according to NP_835468.1. Genename: TREML1 AA Sequence: CGPAQNPPNNQTPS
Format:	State: Liquid Ig fraction Purification: Ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide Buffer System: Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Applications:	Peptide ELISA: Antibody detection limit dilution 1:2000. Western blot: 0.3-1µg/ml. Approx 30kDa band observed in Human Bone Marrow lysates (calculated MW of 32.7kDa according to NP_835468.1). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects TREML1 at C-term.
Species Reactivity:	Tested: Human

Storage:

Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Nurden AT, Nurden P, Bermejo E, Combrié R, McVicar DW, Washington AV.

Phenotypic heterogeneity in the Gray platelet syndrome extends to the expression of TREM family member, TLT-1.

Thrombosis and haemostasis 2008 Jul 100 (1): 45-51.

PMID: 18612537

Pictures:

staining (0.5ug/ml) of Human Bone Marrow lysate (RIPA buffer, 35ug total protein per Lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

