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TA311600 OriGene EU

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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:	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. 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.
Uniprot ID:	<u>Q86YW5</u>
NCBI:	<u>NP_835468.1</u>
GenelD:	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

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. TEV NORD TOW YORD CERT TOW YORD CERT TOW YORD CERT TOW YORD SOLUTION

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Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

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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.		250kDa 150kDa 100kDa 75kDa	
			50kDa	
			37kDa	
			25kDa	
			20kDa	
			15kDa	



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