

Goat Anti-TREML1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2189a**Specification**

Goat Anti-TREML1 Antibody - Product Information

Application	WB, E
Primary Accession	Q86YW5
Other Accession	NP_835468 , 340205
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	32679

Goat Anti-TREML1 Antibody - Additional Information**Gene ID** 340205**Other Names**

Trem-like transcript 1 protein, TLT-1, Triggering receptor expressed on myeloid cells-like protein 1, TREML1, TLT1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-TREML1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TREML1 Antibody - Protein Information**Name** TREML1**Synonyms** TLT1**Function**

Cell surface receptor that may play a role in the innate and adaptive immune response.

Cellular Location

Cell membrane; Single-pass type I membrane protein Cytoplasm. Note=Sequestered in cytoplasmic vesicles in resting platelets (PubMed:15100151) Transported to the cell surface after stimulation by thrombin (PubMed:15100151). Soluble fragments can be released into the serum by proteolysis (PubMed:16505478)

Tissue Location

Detected in platelets, monocytic leukemia and in T- cell leukemia.

Goat Anti-TREML1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-TREML1 Antibody - Images

AF2189a staining (0.5 µg/ml) of Human Bone Marrow lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-TREML1 Antibody - Background

TREML1 is located in a gene cluster on chromosome 6 with the single Ig variable (IgV) domain activating receptors TREM1 (MIM 605085) and TREM2 (MIM 605086), but it has distinct structural and functional properties. TREML1 enhances calcium signaling in an SHP2 (PTPN11; MIM 176876)-dependent manner (Allcock et al., 2003 [PubMed 12645956]; Barrow et al., 2004 [PubMed 15128762]).

Goat Anti-TREML1 Antibody - References

Soluble TLT-1 modulates platelet-endothelial cell interactions and actin polymerization. Morales J, et al. Blood Coagul Fibrinolysis, 2010 Apr. PMID 20093931.

TREM-like transcript-1 protects against inflammation-associated hemorrhage by facilitating platelet aggregation in mice and humans. Washington AV, et al. J Clin Invest, 2009 Jun. PMID 19436112.

TREM and TREM-like receptors in inflammation and disease. Ford JW, et al. Curr Opin Immunol, 2009 Feb. PMID 19230638.

Phenotypic heterogeneity in the Gray platelet syndrome extends to the expression of TREM family member, TLT-1. Nurden AT, et al. Thromb Haemost, 2008 Jul. PMID 18612537.

Inhibition of thrombin-induced platelet aggregation using human single-chain Fv antibodies specific for TREM-like transcript-1. Giomarelli B, et al. Thromb Haemost, 2007 Jun. PMID 17549298.