

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TREML4/TLT-4 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) TREM1, rmTREM2b, and rmTREM3 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse TREML4/TLT-4 Ser25-Val195 Accession # NP_001029094
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

TREML4 (Triggering receptor expressed on myeloid cells-like 4; also TLT4) is a 53-55 kDa member of the Ig superfamily. It is likely expressed by leukocytes, and based on its structure, may act as an activating receptor. Mature mouse TREML4 is a type I transmembrane (TM) glycoprotein that is 235 amino acids (aa) in length. It contains a 171 aa extracellular region (aa 29-199) with a V-type Ig-like domain (aa 29-122); the TM segment contains one Lys residue. There is one splice variant that shows a deletion of aa 21-24, a segment that lies in the putative signal sequence. Rodent and human TREML4 are highly divergent, and thus over aa 25-195, mouse TREML4 shares 78% aa sequence identity with rat TREML4, but only 52% aa sequence identity with human TREML4.

#### PRODUCT SPECIFIC NOTICES

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