

## DESCRIPTION

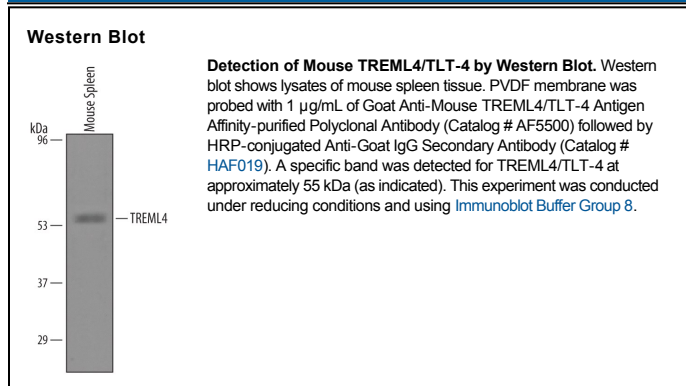
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TREML4/TLT-4 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) TREM1, rmTREM2b, and rmTREM3 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse TREML4/TLT-4 Ser25-Val195 Accession # NP_001029094
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.