

#### DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TREML2/TLT-2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant mouse (rm) TREM-1, -2, -2b, -3, -4, rmTREML1/TLT-1, rmTREML4/TLT-4, or recombinant human (rh) NKp44 is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 656906
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse TREML2/TLT-2 His25-Ala270 Accession # Q2LA85
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	M1 mouse myeloid leukemia cell line

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

TREML2, also called TLT-2 (Trem-like transcript 2) is a 33 kDa (predicted) type I transmembrane cell surface receptor and member of the Trem family of receptor proteins. Mouse TLT-2 is synthesized as a 329 amino acid (aa) precursor that contains a 24 aa signal sequence, a 246 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 38 aa cytoplasmic tail. Within the ECD are an Ig-like V-type domain (aa 25-126) and one potential site for N-linked glycosylation. Mature mouse TLT-2 shares 49% aa sequence identity with mature human TLT-2. Cell surface expression of TLT-2 is seen for most of the B and myeloid cell lines. TLT-2 is also expressed constitutively on CD8<sup>+</sup> T cells.

#### PRODUCT SPECIFIC NOTICES

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