

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TREML2/TLT-2 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) TREML1, rmTREML4, rmTREM1, rmTREM2b, rmTREM3, rmTREM4, and recombinant human TREM2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse TREML2/TLT-2 His25-Ala270 Accession # Q2LA85
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

Mouse Trem-like transcript 2 protein (TLT-2; also TREML2) is a 34 kDa (predicted for unglycosylated) 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+ T cells.

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