

Mouse TREML2/TLT-2 Alexa Fluor® 350-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 656906

Catalog Number: FAB6707U

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	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.
Source	Monoclonal Rat IgG _{2A} Clone # 656906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse TREML2/TLT-2 His25-Ala270 Accession # Q2LA85
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	M1 mouse myeloid leukemia cell line

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

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⁺ T cells.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.