

**DESCRIPTION**

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse TRAM/TICAM2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) TRAM or rhTRIF is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2B</sub> Clone # 757712
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse TRAM/TICAM2 Met1-Ala232 Accession # Q8BJQ4
<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 either lyophilized or as a 0.2 µm filtered solution in PBS.

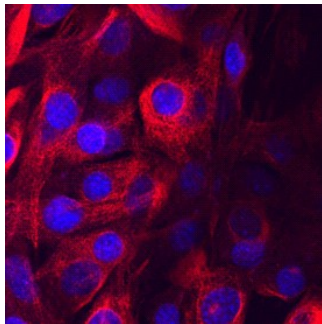
**APPLICATIONS**

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below

**DATA**

**Immunocytochemistry**



**TRAM/TICAM2 in C2C12 Mouse Cell Line.**  
TRAM/TICAM2 was detected in immersion fixed C2C12 mouse myoblast cell line using Rat Anti-Mouse TRAM/TICAM2 Monoclonal Antibody (Catalog # MAB43481) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rat IgG Secondary Antibody (red; Catalog # NL013) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<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**

The innate and adaptive immune responses depend on systems that link cell surface surveillance receptor signals to cytoplasmic proteins such as kinases, adaptors, and transcription factors. Toll-like receptors (TLR) recognize different pathogen associated molecular patterns (PAMPs), and initiate a signaling cascades mediated by a Toll/interleukin-1 receptor (TIR) domain-containing adaptor proteins such as MyD88, TIRAP/MAL, and TRIF. Mouse TRIF-related adaptor molecule (TRAM), is a 232 amino acid, 26 kDa (predicted), ubiquitously expressed member of the TIR domain-containing adaptor family. TRAM, also known as TIR domain-containing adapter protein 2 (TICAM2) and TIR domain-containing protein (TIRP), contains a central Toll/interleukin-1 receptor (TIR) domain that is most similar to that of TRIF. TRAM plays an essential role in the MyD88-independent signaling of TLR4 by binding members of the IRAK family, ultimately leading to the activation of NFκB. Mouse TRAM shares 75% and 77% amino acid sequence identity with human and rat TRAM, respectively.