

## 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/TICAM2 or rhTRIF/TICAM1 is observed.                                                                                                                     |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2B</sub> Clone # 757706                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse TRAM/TICAM2<br>Met1-Ala232<br>Accession # Q8BJQ4                                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**Western Blot** 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

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 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% identity to human and rat TRAM, respectively.

## PRODUCT SPECIFIC NOTICES

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