

Mouse TRAM/TICAM2 Antibody

Monoclonal Rat IgG_{2B} Clone # 757706 Catalog Number: MAB4348

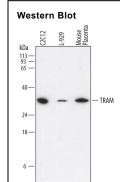
DESCRIPTION		
Species Reactivity	Mouse	
Specificity	Detects mouse TRAM/TICAM2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) TRAM/TICAM2 or rhTRIF/TICAM1 is observed.	
Source	Monoclonal Rat IgG _{2B} Clone # 757706	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant mouse TRAM/TICAM2 Met1-Ala232 Accession # Q8BJQ4	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

DATA



Detection of Mouse TRAM/TICAM2 by Western Blot. Western blot shows lysates of C2C12 mouse myoblast cell line, L-929 mouse fibroblast cell line, and mouse placenta tissue. PVDF membrane was probed with 2 µg/mL of Rat Anti-Mouse TRAM/TICAM2 Monoclonal Antibody (Catalog # MAB4348) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for TRAM/TICAM2 at approximately 31 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

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Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.	
Shipping	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	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	
	 12 months from date of receipt, -20 to -70 °C as supplied. 	
	 1 month, 2 to 8 °C under sterile conditions after reconstitution. 	
	 6 months, -20 to -70 °C under sterile conditions after reconstitution. 	

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 NFkB. Mouse TRAM shares 75% and 77% identity to human and rat TRAM, respectively.

