

Anti-TRIF/TICAM1 Antibody

Catalog Number: RP1100

About Ticam1

TICAM1 (TIR DOMAIN-CONTAINING ADAPTOR MOLECULE 1), also known as TRIF, is an adapter in responding to activation of toll-like receptors (TLRs). It mediates the rather delayed cascade of two TLR-associated signaling cascades, where the other one is dependent upon a MyD88 adapter. By genomic sequence analysis, Oshiumi et al. (2003) mapped the TICAM1 gene to chromosome 19p13.3. By coimmunoprecipitation analysis, Oshiumi et al. (2003) showed that TICAM1 interacts specifically with TLR3, but not with other TLRs. Functional analysis showed that the association of TLR3 and TICAM1 mediates dsRNA activation of IFNB, through NFKB, AP1, or IRF3. TICAM1 activation of NFKB was found to occur predominantly through IRAK1 rather than IRAK2. Small interfering (si)RNA blockage of TICAM1, just upstream of the TIR domain, reduced IFNB production in response to dsRNA.

Overview

Product Name	Anti-TRIF/TICAM1 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-TRIF/TICAM1 Antibody catalog # RP1100. Tested in WB applications. This antibody reacts with Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q80UF7

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse TRIF, different from the related human sequence by twelve amino acids.
Predicted Reactive Species	Bovine, Horse, Monkey, Rabbit
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Mouse

Anti-TRIF/TICAM1 Antibody (RP1100) Images



Anti-TRIF antibody, RP1100, Western blotting

All lanes: Anti TRIF (RP1100) at 0.5ug/ml

Lane 1: Mouse Brain Tissue Lysate at 50ug

Lane 2: Mouse Spleen Tissue Lysate at 50ug

Lane 3: Mouse Testis Tissue Lysate at 50ug

Lane 4: Mouse Liver Tissue Lysate at 50ug

Predicted bind size: 76KD

Observed bind size: 130KD

1 Publications Citing This Product

1. PubMed ID: 27164829, Curcumin exerts anti-inflammatory and antioxidative properties in 1-methyl-4-phenylpyridinium ion (MPP(+))-stimulated mesencephalic astrocytes by interference with TLR4 and downstream signaling pathway

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