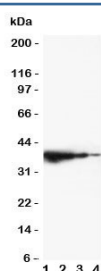


## TRIF Antibody (R31108)

Catalog No.	Formulation	Size
R31108	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q80UF7
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This TRIF antibody is available for research use only.



Western blot testing of TRIF antibody and mouse recombinant protein, 37.5KD with tag;  
Lane 1: 10ng; 2: 5ng; 3: 2.5ng; 4: 1.25ng

## Description

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 either 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.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TRIF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of mouse TRIF (NNHMWGHTGAQSSDDK) was used as the immunogen for this TRIF antibody.

## Storage

After reconstitution, the TRIF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.