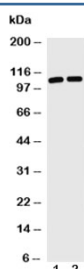


## TRIF Antibody (R31002)

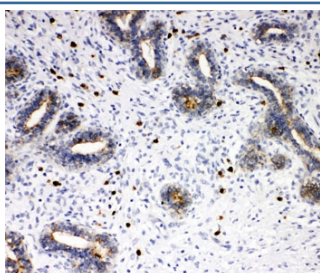
| Catalog No. | Formulation   | Size   |
|-------------|---|--------|
| R31002      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

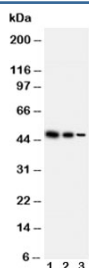
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Antigen affinity purified   |
| <b>Clonality</b>          | Polyclonal (rabbit origin)  |
| <b>Isotype</b>            | Rabbit Ig   |
| <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>            | Q8IUC6  |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 0.5-1ug/ml<br>IHC (Frozen) : 0.5-1ug/ml |
| <b>Limitations</b>        | This TRIF antibody is available for research use only.                            |



Western blot with TRIF antibody and Lane 1: Jurkat; 2: HL-60 cell lysate.  
Predicted/observed molecular weight: 76/70-150kDa.



IHC-P: TRIF antibody testing of human breast cancer tissue



Western blot with TRIF antibody and recombinant human protein; Lane 1: 5ng; 2: 2.5ng; 3: 1.25ng

## Description

TIR Domain-containing adaptor molecule 1, also known as TICAM1 or TRIF, is an adapter in responding to activation of toll-like receptors (TLRs). It mediates the 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 gene to chromosome 19p13.3. By coimmunoprecipitation analysis, Oshiumi et al.(2003) showed that the protein interacts specifically with [TLR3](#), but not with other TLRs. Functional analysis showed that the association of TLR3 and TRIF mediates dsRNA activation of IFNB, through either [NFKB](#), [AP1](#), or [IRF3](#). TRIF activation of NFKB was found to occur predominantly through [IRAK1](#) rather than [IRAK2](#). siRNA blockage of the protein reduced IFNB production in response to dsRNA.

## Application Notes

The stated application concentrations are suggested starting points. 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 human TRIF (NNHMWNQQRGSQAPEDKTQEAE) 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.