

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Cat. No:</b>          | MABN02715                                  |
| <b>Conjugate:</b>        | Unconjugated                               |
| <b>Size:</b>             | 100µL                                      |
| <b>Clone:</b>            | Monoclonal                                 |
| <b>Concentration:</b>    | 1mg/ml                                     |
| <b>Host:</b>             | Rabbit                                     |
| <b>Isotype:</b>          | IgG                                        |
| <b>Immunogen:</b>        | Recombinant protein of human TRIF          |
| <b>Reactivity:</b>       | Human, Mouse, Rat                          |
| <b>Applications:</b>     | WB 1:500-1:1000, IP 1:20-1:50              |
| <b>Molecular Weight:</b> | Calculated MW: 76 kDa; Observed MW: 98 kDa |
| <b>Purification:</b>     | Affinity Purification                      |
| <b>Synonyms:</b>         | TRIF; IIAE6; MyD88-3; PRVTIRB; TICAM-1     |

**Background:** Involved in innate immunity against invading pathogens. Adapter used by TLR3 and TLR4 (through TICAM2) to mediate NF-kappa-B and interferon-regulatory factor (IRF) activation, and to induce apoptosis. Ligand binding to these receptors results in TRIF recruitment through its TIR domain. Distinct protein-interaction motifs allow recruitment of the effector proteins TBK1, TRAF6 and RIPK1, which in turn, lead to the activation of transcription factors IRF3 and IRF7, NF-kappa-B and FADD respectively. Component of a multi-helicase-TICAM1 complex that acts as a cytoplasmic sensor of viral double-stranded RNA (dsRNA) and plays a role in the activation of a cascade of antiviral responses including the induction of proinflammatory cytokines .

|                 |                                                                                              |
|-----------------|----------------------------------------------------------------------------------------------|
| <b>Form:</b>    | Liquid                                                                                       |
| <b>Buffer:</b>  | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA        |
| <b>Storage:</b> | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles. |

**For Research use only  
IMMUNOLOGICAL SCIENCES**