



Everest Biotech Ltd  
Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD, UK

[www.everestbiotech.com](http://www.everestbiotech.com)

[info@everestbiotech.com](mailto:info@everestbiotech.com)  
[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tel +44 1869 238326  
Fax +44 1869 238327

**Research Use Only. Not  
for diagnostic or  
therapeutic use.**

Storage: Aliquot and store at  
-20°C. Minimize freezing and  
thawing.

## Product: EB06384 – Goat anti-TRIF / TICAM1

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

### Target Protein

Principal Names: TRIF; TICAM1; PRVTIRB; MGC35334; TIR domain containing adaptor inducing interferon-beta; toll-like receptor adaptor molecule 1

Official Gene Symbol: TICAM1

Accession Number(s): NP\_055076.1; NP\_891549.1

Human Gene ID(s): 148022

Gene Ontology terms: transmembrane receptor activity; membrane

Please note this antibody is expected to recognise both reported isoforms (as represented by NP\_055076.1; NP\_891549.1).

### Immunogen

Peptide with sequence C-GSQAPEDKTQEAE, from the C Terminus of the protein sequence according to NP\_055076.1; NP\_891549.1

### Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16,000. Western Blot: Preliminary experiments gave no signal but low background in Human Lung and Kidney lysates at up to 1µg/ml. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

### Species Reactivity

Tested:

Expected from sequence similarity: Human

### Background Reference

Oshiumi H, Sasai M, Shida K, Fujita T, Matsumoto M, Seya T.  
TIR-containing adapter molecule (TICAM)-2, a bridging adapter recruiting to toll-like receptor 4 TICAM-1 that induces interferon-beta.  
J Biol Chem. 2003 Dec 12;278(50):49751-62. Epub 2003 Sep 30.  
PMID: 14519765

