

Toll Like Receptor Adaptor Molecule 1 (TICAM1) Antibody

Catalogue No.: abx117043

TICAM1 Antibody is a Rabbit Polyclonal antibody against TICAM1. Members of the Toll-like receptor (TLR) family, named for the closely related Toll receptor in *Drosophila*, play a pivotal role in innate immune responses. TLRs recognize conserved motifs found in various pathogens and mediate defense responses. Triggering of the TLR pathway leads to the activation of NF- κ B and subsequent regulation of immune and inflammatory genes. The TLRs and members of the IL-1 receptor family share a conserved stretch of approximately 200 amino acids known as the TIR domain. Upon activation, TLRs associate with a number of cytoplasmic adaptor proteins containing TIR domains including MyD88 (myeloid differentiation factor), MAL/TIRAP (MyD88-adaptor-like/TIR-associated protein), TRIF (Toll-receptor-associated activator of interferon), and TRAM (Toll-receptor-associated molecule). This association leads to the recruitment and activation of IRAK1 and IRAK4, which form a complex with TRAF6 to activate TAK1 and IKK. Activation of IKK leads to the degradation of I κ B that normally maintains NF- κ B inactivity by sequestering it in the cytoplasm. TRIF (also termed TICAM-1) is a TIR-domain adaptor protein described to activate NF- κ B, IRF3 and trigger IFN- β production. Studies using dominant negative forms of TRIF and siRNA targeting TRIF show that TRIF functions downstream of both TLR3 and TLR4 in response to dsRNA and LPS respectively. TRIF recruits TRAF6-TAK1-TAB2 to the receptor complex which leads to NF- κ B activation. In addition, TRIF can trigger signaling that lead to the induction of apoptosis.

Target:	Toll Like Receptor Adaptor Molecule 1 (TICAM1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant protein of human TICAM1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q8IUC6 (UniProt , ExPASy)
Gene Symbol:	TICAM1

Datasheet

Version: 3.0.0

Revision date: 13 Sep 2025



GeneID: [148022](#)

Buffer: PBS, pH 7.3, containing 0.02% sodium azide and 50% glycerol.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only