Toll Like Receptor Adaptor Molecule 1 (TICAM1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Toll Like Receptor Adaptor Molecule 1 (TICAM1), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Toll Like Receptor Adaptor Molecule 1 (TICAM1)
Product Gene Name	anti-TICAM1 antibody
Product Synonym Names	TRIF; PRVTIRB; Toll-interleukin-1 receptor domain-containing adapter protein inducing interferon beta; Proline-rich, vinculin and TIR domain-containing protein B
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: TICAM1 (MBS2027773) HRP Conjugated Antibody: TICAM1 (MBS2079110)
Matching Pairs	HRP Conjugated Antibody: TICAM1 (MBS2079110) Immunogen: TICAM1 (MBS2031040)
Molecular Weight	76,422 Da
OMIM	AB093555 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	TICAM1 (Gln443~Gln685)
Conjugation	HRP
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2027773
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TICAM1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-TICAM1 antibody	MBS2079110 is an antibody targeting TICAM1. Also known as HRP-Linked Polyclonal Antibody to Toll Like Receptor Adaptor Molecule 1 (TICAM1). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-TICAM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TICAM1. It may not necessarily be applicable to this product.

NCBI GI #	223460864
NCBI GeneID	148022
NCBI Accession #	AAI36557.1

UniProt Secondary Accession #	O75532; Q86XP8; Q96GA0; B3Y691
UniProt Related Accession #	Q8IUC6
NCBI Official Full Name	Toll-like receptor adaptor molecule 1
NCBI Official Synonym Full Names	toll like receptor adaptor molecule 1
NCBI Official Symbol	TICAM1
NCBI Official Synonym Symbols	TRIF; IIAE6; MyD88-3; PRVTIRB; TICAM-1
UniProt Protein Name	TIR domain-containing adapter molecule 1
UniProt Synonym Protein Names	Proline-rich, vinculin and TIR domain-containing protein B; Putative NF-kappa-B-activating protein 502H; Toll-interleukin-1 receptor domain-containing adapter protein inducing interferon beta; MyD88-3; TIR domain-containing adapter protein inducing IFN-beta
Protein Family	TIR domain-containing adapter molecule
UniProt Gene Name	TICAM1
UniProt Synonym Gene Names	PRVTIRB; TRIF; TICAM-1; MyD88-3; TIR domain-containing adapter protein inducing IFN-beta
NCBI Protein Information	TIR domain-containing adapter molecule 1
NCBI Summary for TICAM1	This gene encodes an adaptor protein containing a Toll/interleukin-1 receptor (TIR) homology domain, which is an intracellular signaling domain that mediates protein-protein interactions between the Toll-like receptors (TLRs) and signal-transduction components. This protein is involved in native immunity against invading pathogens. It specifically interacts with toll-like receptor 3, but not with other TLRs, and this association mediates dsRNA induction of interferon-beta through activation of nuclear factor kappa-B, during an antiviral immune response. [provided by RefSeq, Jan 2012]
UniProt Comments for TICAM1	TICAM1: an adaptor protein involved in innate immunity against invading pathogens. Associates with 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 TICAM1 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. Interacts with the TIR domain of TLR3. Interacts with AZI2, TBK1, IRF3 and IRF7. Interacts with TICAM2 in TLR4 recruitment. Interaction with PIAS4 inhibits the TICAM1-induced NF-kappa-B, IRF and IFNB1 activation. Interacts with IKBKB and IKBKE. Interaction with SARM1 blocks TICAM1-dependent transcription factor activation. Interacts with TRAF3. Interacts with TRAFD1. Protein type: Adaptor/scaffold; Apoptosis Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: cytosol; endosome membrane Molecular Function: protein binding; protein kinase binding; signal transducer activity Biological Process: I-kappaB kinase/NF-kappaB cascade; MyD88-independent toll-like receptor signaling pathway; negative regulation of MyD88-independent toll-like receptor signaling pathway; positive regulation of autophagy; positive regulation of I-kappaB kinase/NF-kappaB cascade; response to exogenous dsRNA Disease: Herpes Simplex Encephalitis, Susceptibility To, 4
Research Articles on TICAM1	**1.** IL-12p70 production requires uptake of Streptococcus pneumoniae as well as the presence of the adaptor molecule TRIF.
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