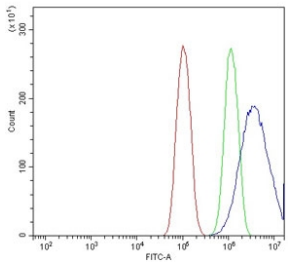
TICAM1 Antibody / TRIF (RQ6400)

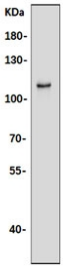
Catalog No.	Formulation	Size
RQ6400	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IUC6
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This TICAM1 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with TICAM1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TICAM1 antibody.



Western blot testing of human Raji cell lysate with TICAM1 antibody. Predicted molecular weight: 76 kDa but routinely observed at 70-150 kDa.

Description

TICAM1 (TIR DOMAIN-CONTAINING ADAPTOR MOLECULE 1), also known as TRIF, is an adapter in responding to activation of toll-like receptors (TLRs). It mediates the rather 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 TICAM1 gene to chromosome 19p13.3. By coimmunoprecipitation analysis, Oshiumi et al. (2003) showed that TICAM1 interacts specifically with TLR3, but not with other TLRs. Functional analysis showed that the association of TLR3 and TICAM1 mediates dsRNA activation of IFNB, through NFKB, AP1, or IRF3. TICAM1 activation of NFKB was found to occur predominantly through IRAK1 rather than IRAK2. Small interfering (si)RNA blockage of TICAM1, just upstream of the TIR domain, reduced IFNB production in response to dsRNA.

Application Notes

Optimal dilution of the TICAM1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S385-H448) was used as the immunogen for the TICAM1 antibody.

Storage

After reconstitution, the TICAM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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