Datasheet for ABIN2665411

# anti-TICAM1 antibody

2 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | TICAM1 |
| Reactivity: | Human, Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TICAM1 antibody is un-conjugated |
| Application: | Flow Cytometry (FACS) |

## Product Details

| | |
|---|---|
| Clone: | 1H4B01 |
| Isotype: | IgG2a kappa |
| Purification: | The antibody was purified by affinity chromatography. |

## Target Details

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|---|---|
| Target: | TICAM1 |
| Alternative Name: | TICAM-1 (TICAM1 Products) |
| Background: | TICAM-1, also known as TRIF, is an intracellular adaptor protein utilized by TLR3 and TLR4. TLR3 recognizes double stranded viral RNA and induces TICAM-1 mediated type I interferon production. The N-terminal region of TICAM-1 recruits TBK1 and IKKi, which in turn phosphorylates the interferon regulatory transcription factor IRF3. The phosphorylated IRF3 is subsequently dimerized and translocates to the nucleus, resulting in transcriptional activation |

## Target Details

| | |
|---|---|
| | of the gene encoding IFN-β. Mice lacking in TICAM-1 expression are defective in the TLR3 mediated induction of proinflamatory cytokines, suggesting that TICAM-1 is crucial for TLR3 downstream signaling. TICAM-1 also mediates TLR4-induced signaling in the presence of the adaptor molecule TRAM. The C-terminal region of TICAM-1 recruits RIP1 and induces apoptosis through FADD/caspase cascade. |
| Pathways: | TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Toll-Like Receptors Cascades |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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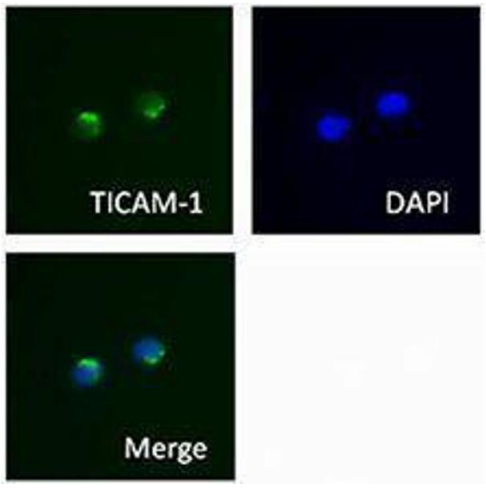
|---|---|
| Concentration: | 0.5 mg/mL |
| Buffer: | Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | The antibody solution should be stored undiluted between 2°C and 8°C. |

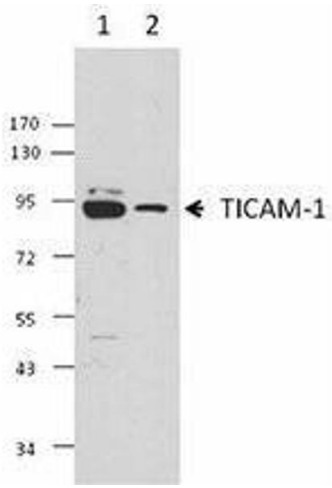
## Images




**Immunofluorescence**

**Image 1.**

## Images




**Western Blotting**

**Image 2.**