

Datasheet for ABIN969537

**anti-JNK antibody**

## 4 Images

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## Overview

|              |   |
|--------------|---|
| Quantity:    | 0.1 mg  |
| Target:      | JNK (MAPK8)   |
| Reactivity:  | Human, Mouse  |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Conjugate:   | This JNK antibody is un-conjugated                  |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | Purified recombinant fragment of human MAPK8 expressed in E. coli. |
| Clone:        | 1-00E-05   |
| Isotype:      | IgG1   |
| Purification: | purified   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | JNK (MAPK8)   |
| Alternative Name: | MAPK8 ( <a href="#">MAPK8 Products</a> )  |
| Background:       | Description: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription |

## Target Details

factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

Aliases: JNK, JNK1, PRKM8, SAPK1, JNK-46, JNK1A2, SAPK1c, JNK21B1/2

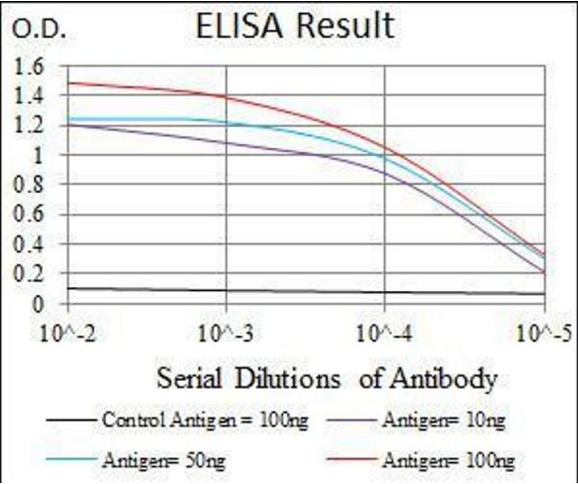
|                   |  |
|-------------------|--|
| Molecular Weight: | 48.3 kDa   |
| Gene ID:          | 5599   |
| HGNC:             | 5599   |
| Pathways:         | <a href="#">MAPK Signaling</a> , <a href="#">WNT Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">S100 Proteins</a> |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400 |
| Restrictions:      | For Research Use only                                  |

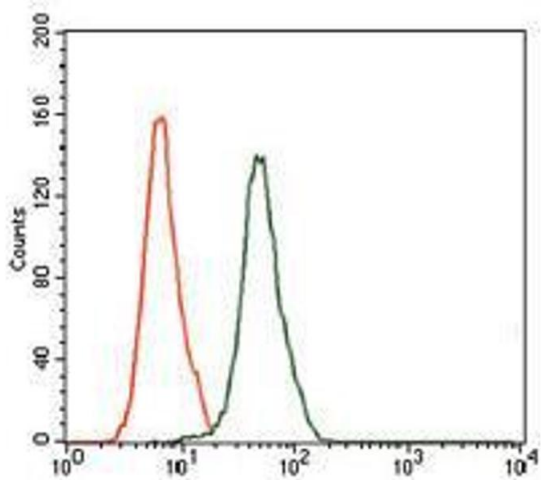
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Purified antibody in PBS with 0.05 % 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/-20 °C  |
| Storage Comment:   | 4°C, -20°C for long term storage   |



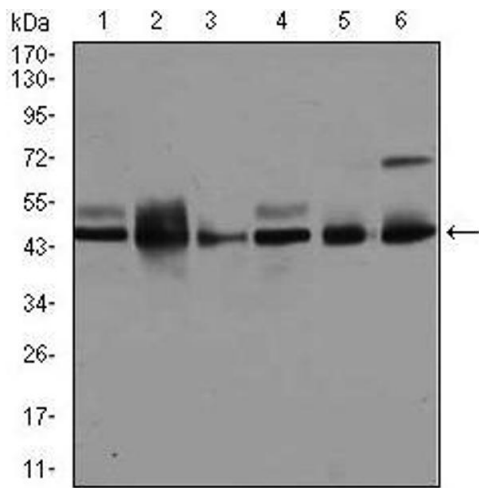
### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Flow Cytometry

**Image 2.** Flow cytometric analysis of HeLa cells using MAPK8 mouse mAb (green) and negative control (red).



### Western Blotting

**Image 3.** Western blot analysis using MAPK8 mouse mAb against A431 (1), K562 (2), HeLa (3), NIH3T3 (4), PC-12 (5), and MCF-7 (6) cell lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969537.