**Product Name: MAPK11 Mouse Monoclonal Antibody**
**Catalog #: AMM80617**
For research use only.

## Summary

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|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | FC |
| **Reactivity** | Human, Rat, Mouse |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG1 |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | PBS containing 0.03% sodium azide. |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | FC 1:200-1:400 |
| **Molecular Weight** | / |

## Antigen Information

| | |
|---|---|
| **Gene Name** | MAPK11 |
| **Alternative Names** | MAPK11 |
| **Gene ID** | 5600.0 |
| **SwissProt ID** | Q15759 |
| **Immunogen** | Purified recombinant fragment of MAPK11 (aa251-363) expressed in E. Coli. |

## Background

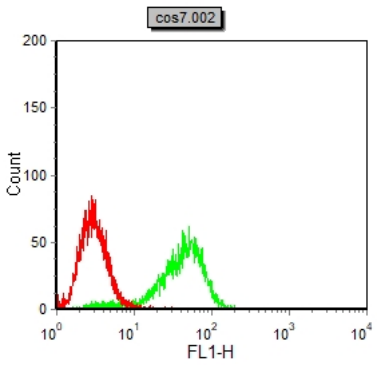
Mitogen-activated protein kinase 11.The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. This kinase is most closely related to p38 MAP kinase,

both of which can be activated by proinflammatory cytokines and environmental stress. This kinase is activated through its phosphorylation by MAP kinase kinases (MKKs), preferably by MKK6. Transcription factor ATF2/CREB2 has been shown to be a substrate of this kinase.

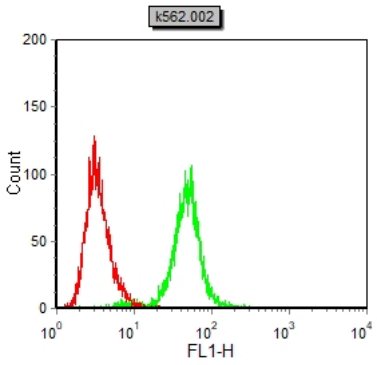
## Research Area

TGF-beta signaling pathway,MAPK signaling pathway

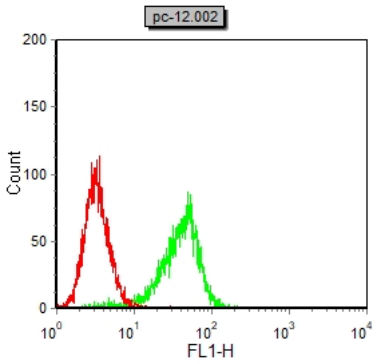
## Image Data



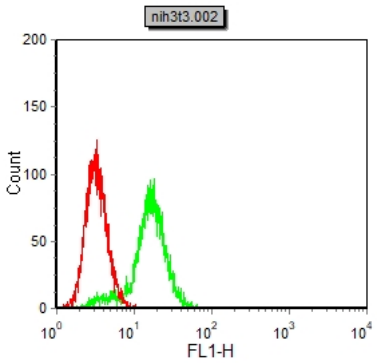

Flow cytometric analysis of COS7 cells using MAPK11 mouse mAb (green) and negative control (red).




Flow cytometric analysis of K652 cells using MAPK11 mouse mAb (green) and negative control (red).




Flow cytometric analysis of PC-12 cells using MAPK11 mouse mAb (green) and negative control (red).




Flow cytometric analysis of NIH3T3 cells using MAPK11 mouse mAb (green) and negative control (red).