

MAPK8 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3361
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human MAPK8 expressed in E. Coli.
Mol wt	48.3kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	JNK;JNK1;PRKM8;SAPK1;JNK-46;JNK1A2;SAPK1c;JNK21B1/2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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 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.

Recommended Dilution

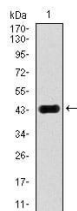
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

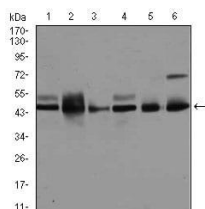
ELISA: 1:10000

Not yet tested in other applications.

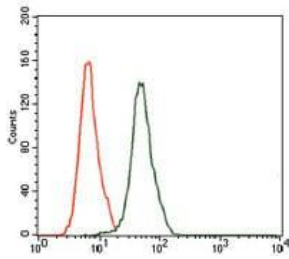
Images



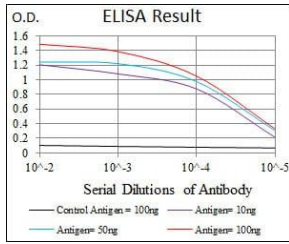
Western blot analysis using MAPK8 mAb against human MAPK8 (AA: 227-380) recombinant protein. (Expected MW is 43.4 kDa)



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.



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



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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