

Product datasheet for **AM06773PU-N**

JNK1 (MAPK8) Mouse Monoclonal Antibody [Clone ID: 1E5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1E5
Applications:	ELISA, FC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human MAPK8 expressed in E. Coli.
Specificity:	Recognizes MAPK8
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Stabilizer: 0.5% protein Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	48.3 kDa
Gene Name:	mitogen-activated protein kinase 8
Database Link:	Entrez Gene 5599 Human P45983



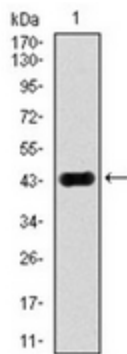
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Background:

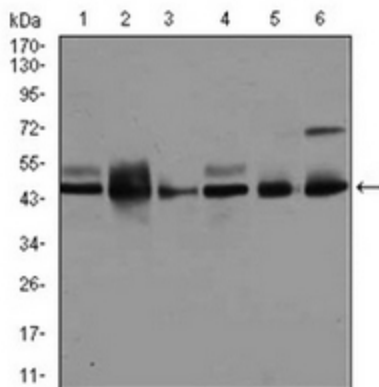
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated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

Synonyms:

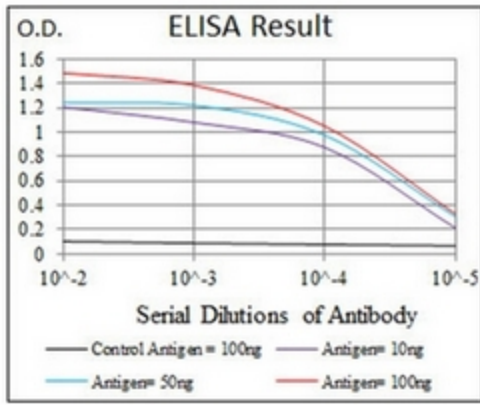
Mitogen-activated protein kinase 8, c-Jun N-terminal kinase 1, JNK-46, JNK-1, PRKM8

Product images:


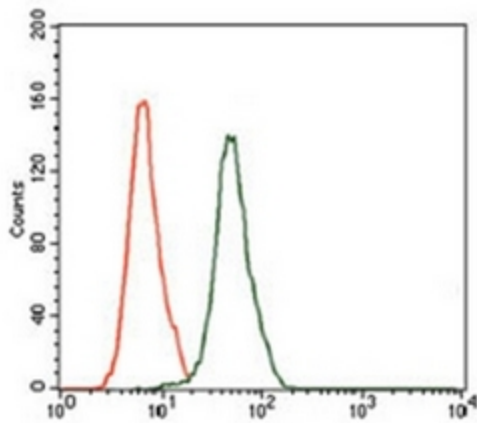
Western blot analysis using MAPK8 antibody against human MAPK8 (AA: 227-380) recombinant protein.



Western blot analysis using MAPK8 antibody against A431 (Lane 1), K562 (Lane 2), HeLa (Lane 3), NIH3T3 (Lane 4), PC-12 (Lane 5), and MCF-7 (Lane 6) cell lysate



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Flow Cytometric analysis of HeLa cells using MAPK8 antibody (green) and negative control (red).