

# JNK1 Monoclonal Antibody (H.715.7)

Catalog Number MA5-15183

Product Data Sheet

Details		Species Reactivity	
Size	200 µL	Tested species reactivity	Hamster, Human, Mink, Mouse, Non-human primate, Rat
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Monoclonal	Immunoprecipitation (IP)	2-5 µl
Type	Antibody	Western Blot (WB)	1:1000
Clone	H.715.7	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Human JNK2/MBP fusion protein		
Conjugate	Unconjugated		
Form	Liquid		
Purification	Affinity chromatography		
Storage Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol		
Contains	<0.02% sodium azide		
Storage Conditions	-20°C		

## Product Specific Information

It is not recommended to aliquot this antibody.

## Background/Target Information

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.

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