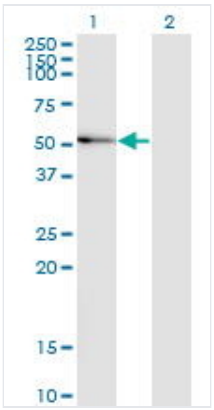
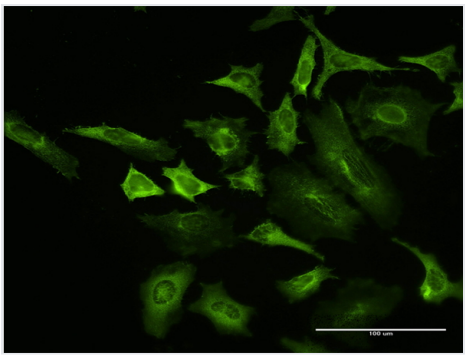
MAPK8 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

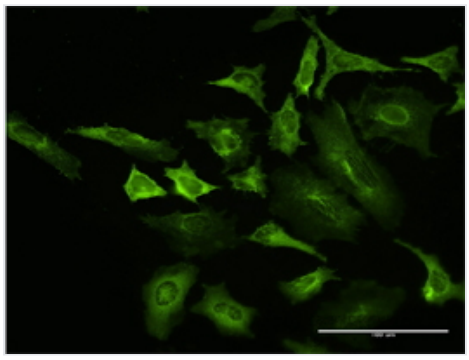
Product Name	MAPK8, Monoclonal Antibody
Full Product Name	MAPK8 (Mitogen-Activated Protein Kinase 8, JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1) (PE)
Product Gene Name	anti-MAPK8 antibody
Product Synonym Names	Mitogen-Activated Protein Kinase 8; JNK; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3F7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes MAPK8.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,333 Da
Immunogen	MAPK8 (NP_620637, 318aa-427aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	PE
Product Categories/Family for anti-MAPK8 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-MAPK8 antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-MAPK8 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MAPK8 antibody	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. [provided by RefSeq]
Other Notes	Small volumes of anti-MAPK8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAPK8 purchase	MBS6186239 is an antibody targeting MAPK8. Also known as MAPK8 (Mitogen-Activated Protein Kinase 8, JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1) (PE). Host: Mouse.



Western Blot (WB) of anti-MAPK8 antibody
Western Blot analysis of MAPK8 expression in transfected 293T cell line by MAPK8 monoclonal antibody (M10), clone 3F7.Lane 1: MAPK8 transfected lysate (48.3 KDa).Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-MAPK8 antibody
Immunofluorescence of monoclonal antibody to MAPK8 on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-MAPK8 antibody
Immunofluorescence of monoclonal antibody to MAPK8 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAPK8. It may not necessarily be applicable to this product.

NCBI GI #	20986523
NCBI GeneID	5599
NCBI Accession #	NP_620637
UniProt Secondary Accession #	Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
UniProt Related Accession #	P45983
GenBank Nucleotide #	NM_139049.2
NCBI Official Full Name	mitogen-activated protein kinase 8 isoform alpha2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	MAPK8
NCBI Official Synonym Symbols	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2
Protein Family	JNK1/MAPK8-associated membrane protein
NCBI Protein Information	mitogen-activated protein kinase 8

NCBI Summary for MAPK8	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. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jun 2013]
Research Articles on MAPK8	**1.** JNK1/2 and p38 MAPK signaling pathways are beneficial to enterovirus 71 infection and positively regulate secretions of inflammatory cytokines in dendritic cells.
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