

**bsm-33423M****[ Primary Antibody ]****BioSS**  
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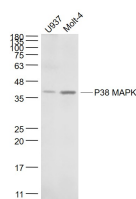
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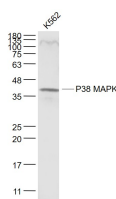
400-901-9800

**P38 MAPK Mouse mAb****DATASHEET**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG1	<b>Applications:</b> WB (1:500-2000)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Cow)  <b>Predicted MW.:</b> 42 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 4G2	
<b>GeneID:</b> 1432	<b>SWISS:</b> Q16539	
<b>Target:</b> P38 MAPK		
<b>Immunogen:</b> Recombinant human P38 MAPK Protein: 292-360/360.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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 environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases(MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.		

**VALIDATION IMAGES**

Sample: U937(Human) Cell Lysate at 30 ug  
 Molt-4(Human) Cell Lysate at 30 ug  
 Primary: Anti- P38 MAPK (bsm-33423M) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
 Predicted band size: 42 kD  
 Observed band size: 40 kD



Sample: K562(Human) Cell Lysate at 30 ug  
 Primary: Anti- P38 MAPK (bsm-33423M) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution  
 Predicted band size: 42 kD  
 Observed band size: 40 kD

**SELECTED CITATIONS**

- **[IF=8.5]** Liu-Lu Gao. et al. Acteoside suppresses hepatocellular carcinoma progression via modulation of macrophage migration inhibitory factor and mitogen-activated protein kinase proteins. INT J BIOL MACROMOL. 2025 Jun;:145579 IHC,WB ;Human,Mouse. 40582652
- **[IF=7.7]** Xianqun Meng. et al. Anti-inflammatory effect of polysaccharides from Sambucus williamsii Hance roots in

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lipopolysaccharide-stimulated RAW264.7 macrophages and acute lung injury in mice.INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES.2025 Feb 21;306(Pt 1):141368. Western Blot ;Mouse. 10.1016/j.ijbiomac.2025.141368

- **[IF=7.7]** Yin-Ku Lin. et al. Systematic establishment of the relationship between skin absorption and toxicity of furanoids via in silico, in vitro, and in vivo assessments. ENVIRON RES. 2024 Nov;261:119757 WB ;Human. 39128665
- **[IF=4.6]** Kan Shunli. et al. Resveratrol improves the prognosis of rats after spinal cord injury by inhibiting mitogen-activated protein kinases signaling pathway. SCI REP-UK. 2023 Nov;13(1):1-11 WB ;Rat. 37957210
- **[IF=4.146]** Jian Kang. et al. Ginsenoside Rg1 Mitigates Porcine Intestinal Tight Junction Disruptions Induced by LPS through the p38 MAPK/NLRP3 Inflammasome Pathway. TOXICS. 2022 Jun;10(6):285 WB ;Mouse,Pig. 10.3390/toxics10060285