

<b>Cat. No:</b>	MAB-94381
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	3D7
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	WB 1:1000, IHC-p 1:100-1:300, IF 1:200-1:1000, ELISA 1:5000
<b>Molecular Weight:</b>	43 kDa
<b>Purification:</b>	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr180/Tyr182 of human p38 MAPK.
<b>Background:</b>	<p>p38 MAP kinase (MAPK), also called RK (1) or CSBP (2), is the mammalian orthologue of the yeast HOG kinase which participates in a signaling cascade controlling cellular responses to cytokines and stress (1-4). Four isoforms of p38 MAP kinase, p38<math>\alpha</math>, <math>\beta</math>, <math>\gamma</math> (also known as ERK6 or SAPK3) and <math>\delta</math> (also known as SAPK4) have been identified. Similar to the SAPK/JNK pathway, p38 MAP kinase is activated by a variety of cellular stresses including osmotic shock, inflammatory cytokines, lipopolysaccharides (LPS), UV light and growth factors (1-5). MKK3, MKK6 and SEK activate p38 MAP kinase by phosphorylation at Thr180 and Tyr182. Activated p38 MAP kinase has been shown to phosphorylate and activate MAPKAP kinase 2 (3) and to phosphorylate the transcription factors ATF-2 (5), Max (6) and MEF2 (5-8). Phospho-p38 MAP Kinase (Thr180/Tyr182) (3D7) Rabbit mAb detects endogenous levels of p38 MAP kinase only when dually phosphorylated at Thr180 and Tyr182. This antibody does not cross-react with the phosphorylated forms of either p42/44 MAPK or SAPK/JNK.</p>
<b>Form:</b>	liquid
<b>Buffer:</b>	Supplied liquid in PBS containing 50% glycerol 0,5% BSA, 0.02% sodium azide.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles

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