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Anti-p38 Mouse mAb [07G30]

Catalog No.: A32061

Basic Information

Catalog No. (Cat.No.)	A32061
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Synonyms	p38,p38 MAPK,p38α MAPK,p38-alpha MAPK,PRKM14

Product Information

Target	p38
Molecular Weight(Calculated)	41 kDa
Molecular Weight(Observed)	38 kDa
Isotype	IgG1,Kappa
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	07G30
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:2000
IF	1:100-1:500
ELISA	1:1000-1:5000

Target Information

Protein Name	Mitogen-activated protein kinase-14 (p38-α)
Gene Name	*MAPK14*
Domain	human p38, aa 300-360
Background	p38 MAPK (Mitogen-activated protein kinase 14) belongs to MAP kinase family and transduces cellular stress, inflammatory, apoptotic and differentiation signals. p38 is a serine-threonine kinase activated via upstream MAP2K-mediated dual phosphorylation upon pro-inflammatory cytokines, oxidative stress, UV irradiation and osmotic challenge. Activated p38 translocates into nucleus and phosphorylates transcription factors to modulate transcription of pro-inflammatory, apoptotic and cell-cycle target genes. It mediates innate immunity and cytokine production, as well as cell differentiation and senescence. Sustained p38 signaling contributes to autoimmunity, inflammatory disorders and tumor progression.