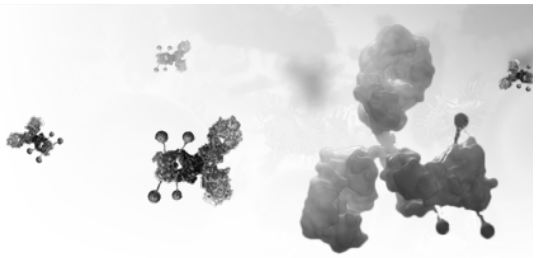

Mouse Anti-Human p38 MAPK monoclonal antibody, clone 0G23 (CABT-L4597)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	human full length p38 MAPK
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Clone	0G23
Purification	Purified, liquid
Conjugate	Unconjugated
Applications	WB, ICC, FC
Format	Liquid
Concentration	Lot specific
Buffer	PBS, pH 7.4, containing 50% glycerol, 0.5 mg/ml BSA, and 0.02% sodium azide
Preservative	0.02% sodium azide
Storage	Store -20°C for long term.
Ship	Wet ice

BACKGROUND

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Introduction	p38 mitogen-activated protein kinase (MAPK) is a member of the serine-threonine MAPK family that triggers many cellular processes including cell cycle, development, and apoptosis. These kinases are activated by environmental stress signals such as osmotic shock, infection, and cytokines causing phosphorylation of p38 MAPK. This results in a phosphorylation cascade, activating transcription factors, and inducing gene expression. p38 MAPK is widely expressed in heart, brain, skeletal muscle, platelets, and immune cells. Due to this distribution, p38 MAPK plays a role in cardiovascular disease, arthritis, and cancer. It is mainly present in the cytosol, but can also be found in the nucleus after activation. Based on the amino acid sequence, the expected molecular weight of this protein is 41 kDa.
Keywords	p38 MAPKα;p38 MAP Kinase;p38 Mitogen-activated Protein Kinase

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