Anti-p38 [T180/Y182]-156Gd

Catalog: 3156002A
Clone: D3F9
Package size: 50 tests
Storage: Store product at 4 °C. Do not freeze.
Cross-reactivity: Rat, Mouse, Human, Bovine, Porcine, Hamster, Monkey
Isotype: Rabbit IgG
Formulation: Antibody stabilizer with 0.05% sodium azide

Technical Information

Validation: Each lot of conjugated antibody is quality control-tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended usage: The suggested use is 1 µL for up to 3 x 10⁶ live cells in 100 µL. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

p38 MAP kinase is a member of the mitogen activated protein kinase (MAPK) family of serine/threonine protein kinases involved in responses to cellular stresses such as inflammatory cytokines, bacterial lipopolysaccharide, UV exposure, osmotic shock, or growth factors. p38 exists in four isoforms, p38α (MAPK14), p38β (MAPK11), p38γ (MAPK12), and p38δ (MAPK13). Upstream kinases MKK3, SEK1/MKK4, and MKK6 can activate the p38 isoforms through dual phosphorylation of Thr180 and Tyr182. Activated p38 transmits the signal to immediate targets including MAPKAPK2 and HSP27. The subsequent activation of transcription factors (i.e. ATF2, MEF2, and TCF) results in upregulation of genes related to a stress response, such as proinflammatory cytokines.

References


For technical support visit www.fluidigm.com/support.

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