## 12-4221: Phospho-MKK3 (S189)/MKK6 (S207) (Clone: D3) rabbit mAb PE conjugate

| Clonality : | Monoclonal |
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| Clone Name : | MKK3S189MKK6S207-D3 |
| Application : | FACS |
| Reactivity : | Human, Mouse |
| Conjugate: | PE |
| Format: | Conjugated |
| Alternative Name: | Dual specificity mitogen-activated protein kinase kinase 3, MAP kinase kinase 3, MAPKK 3, <br> MAPK/ERK kinase 3, Stress-activated protein kinase kinase 2, SAPK kinase 2, SAPKK2, <br> MAP2K3, MEK3, PRKMK3, SKK2 |
| Isotype : | Rabbit IgG1k |
| Immunogen InformationA synthetic phospho-peptide corresponding to residues surrounding Ser189 of human <br> phospho MKK3 and Ser207 of human phospho MKK6. |  |

## Description

MKK3 and MKK6 are closely related dual-specificity protein kinases that activate p38 MAP kinase (1-5). Phospho MKK3 and phospho MKK6 both phosphorylate and activate p38. p38 phosphorylation dramatically stimulates its ability to phosphorylate protein substrates such as ATF-2 and Elk-1. MKK3 and MKK6 are both activated by different forms of cellular stress and inflammatory cytokines $(4,5)$. Phospho MKK3 and phospho MKK6 activation occurs through phosphorylation at S189 and T222 on MKK3 (2) and S207 and T211 on MKK6 $(4,5)$.

## Product Info

Amount :
10 Tests / 100 Tests
Content:
1X PBS, 0.09\% NaN3, 0.2\% BSA
Storage condition :
Store at $2-8^{\circ} \mathrm{C}$. Avoid repeated freeze and thaw cycles.

## Application Note

For flow cytometric staining, the suggested use of this reagent is $5 \tilde{A} \square \hat{A} \mu \mathrm{~L}$ per million cells or $5 \tilde{A} \square \hat{A} \mu \mathrm{~L}$ per $100 \tilde{A} \square A ̂ \mu \mathrm{~L}$ of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.


Fig-1: Flow cytometric analysis of HEK293T cells unstained K252a treated cells as negative control (blue) or stained and treated with K252a (red) or treated with UV+TPA (green) using phospho-MKK3(Ser189)/MKK6(Ser207) antibody MKK3S189MKK6S207-D3 PE conjugate.

