Phospho-MKK3 (S189)/MKK6 (S207) (D3) rabbit mAb APC conjugate

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For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk

Format: APC

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: 1X PBS, 0.09% NaN3, 0.2% BSA

Preparation: Protein A+G

Reactivity: Human,Mouse

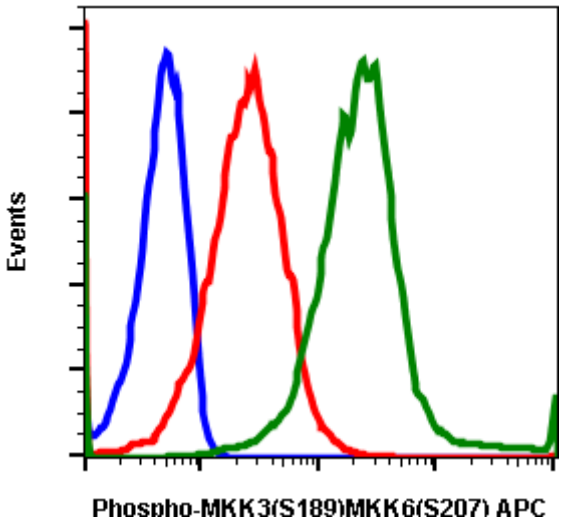
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Ser189 of human 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).

References:

1. Derijard, B. et al. (1995) Science 267, 682-685.
2. Raingeaud, J. et al. (1995) J Biol Chem 270, 7420-6.
3. Sluss, H.K. et al. (1994) Mol. Cell. Biol. 14, 8376-8384.
4. Raingeaud, J. et al. (1996) Mol. Cell. Biol. 16(3), 1247-1255.
5. Han, J. et al. (1996) J. Biol. Chem. 271, 2886-2891.



Flow cytometric analysis of HEK293T cells 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 APC-conjugate Cat. #2244.