SONY

Product Data Sheet

PE anti-MEK1 Phospho (Ser298)

Catalog # / Size: 3653015 / 25 tests
3653020 / 100 tests

Clone: A16117B

Isotype: Mouse IgG1, κ

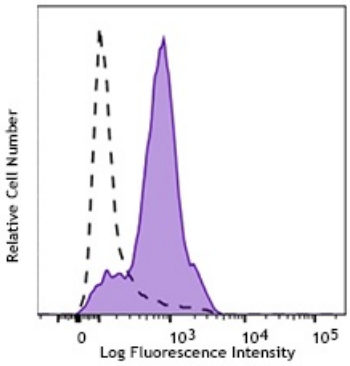
Immunogen: Human MEK1 peptide phosphorylated at Ser298. Complete Freund's adjuvant.

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes were stimulated with (filled histogram) or without (open histogram) Cell Activation Cocktail (without Brefeldin A) for 15 minutes, then fixed with Fixation Buffer, permeabilized with True-Phos™ Perm Buffer, and intracellularly stained with anti-MEK1 Phospho (Ser298) Antibody (clone A16117B) PE.

Applications:

Applications: Intracellular Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

Application References:

Description: MEK1 and MEK2 (Map/Erk Kinase) are serine/threonine kinases in the MAPK/ERK signaling axis that play a critical role in cellular proliferation, differentiation, and migration. Phosphorylation at MEK1 (Ser298) by PAK1 enhances ability of upstream Raf kinases to phosphorylate regulatory serines (Ser218 and Ser222) in the activation loop, thereby stimulating kinase activity.

Antigen References:

1. Song C, *et al.* 2017. *Sci Rep.* 7:46833.
2. Jeong DE, *et al.* 2017. *EMBO J.* 36:1046.
3. Kyriakakis E, *et al.* 2017. *Cell Signal.* 35:163.
4. Narbonne P, *et al. PLoS Genet.* 13:e1006738.
5. Wu H, *et al.* 2013. *PLoS One.* 8:e83737.
6. Wang Z, *et al*. 2010. *Oncogene*. 29:3362.
7. Moniz S, *et al*. 2007. *Oncogene*. 26:6071.
8. Park ER, *et al*. 2007. *Cell Signal*. 7:1488.