Phospho-c-Fos (Ser32) (BA9) rabbit mAb PE Conjugate

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Catalog: #2427 **Store at:** 2-8ºC

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

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

Format: PE

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,Rat

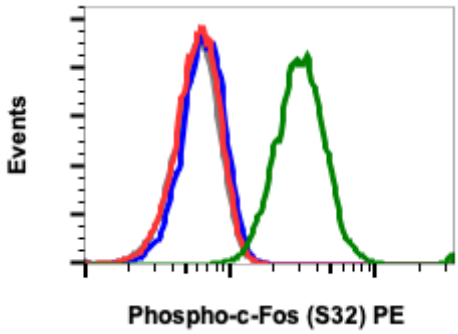
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Ser32 of human phospho c-Fos

Description: c-FOS belongs to the Fos family of nuclear oncogenes which include Fos B, Fos-related antigen 1 (FRA1), Fos-related antigen 2 (FRA2) in addition to c-Fos (1). Activator Protein-1 (AP-1) is formed upon dimerization of Fos proteins with Jun protiens (c-Jun, Jun B, and JunD) (2,3). AP-1 is considered a transcription factor that binds to TRE/AP-1 elements and activates transcription. ERK5 is involved with c-Fos phosphorylation at Ser32 and Thr232 which increase c-Fos stability and its nuclear translocation.

References:

1. Dobrazanski, P., et al., (1991) Mol Cell Biol, 11:5470-8.
2. Tulchinsky E (2000) Histol Histopathol 15:921-8.
3. Kovary K. and Bravo R. (1992) Mol Cell Biol 12:5015-23.



Flow cytometric analysis of 293-HEK cells untreated (red) or treated with UV+TPA (green) using Phospho-c-Fos (Ser32) (BA9) Rabbit mAb (PE Conjugate) cFosS32-BA9 #2427, or concentration-matched Rabbit (G9) mAb IgG Isotype Control (PE Conjugate) #2142 for cells untreated (black) or treated with UV+TPA (blue).