

12-4328: Phospho-c-Fos (Ser32) (Clone: BA9) rabbit mAb

Clonality :	Monoclonal
Clone Name :	cFosS32-BA9
Application :	FACS
Reactivity :	Human, Mouse, Rat
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Proto-oncogene c-Fos, Cellular oncogene fos, G0/G1 switch regulatory protein 7, G0S7
Isotype :	Rabbit IgG1k
Immunogen Information :	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 proteins (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.

Product Info

Amount :	20 μ l / 200 μ l
Content :	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

1 μ g/mL - 0.001 μ g/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml, more than 200 western blots)

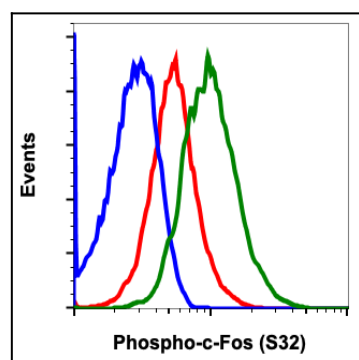


Fig-1: Flow cytometric analysis of HeLa cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV+TPA (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 μ g/mL.

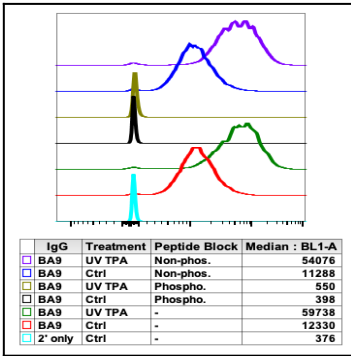


Fig 2 : Peptide blocking flow cytometric analysis of HeLa cells secondary antibody only negative control (light blue) or untreated (red) or treated with UV + TPA (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.01µg/mL.

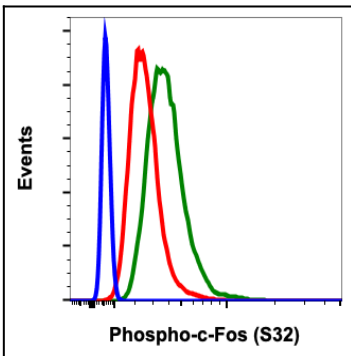


Fig-3: Flow cytometric analysis of L929 cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 µg/mL.

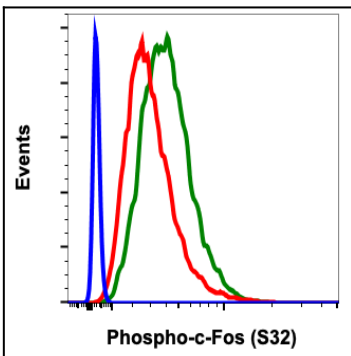


Fig-4: Flow cytometric analysis of C6 cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV+TPA (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 µg/mL.