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12-4195: Phospho-MSK1 (Thr581) (Clone: A5) rabbit mAb PE conjugate

Clonality :	Monoclonal
Clone Name :	MSK1T581-A5
Application :	FACS
Reactivity :	Human, Mouse, Rat
Conjugate :	PE
Format :	Conjugated
Alternative Name :	Ribosomal protein S6 kinase alpha-5, S6K-alpha-5, 90 kDa ribosomal protein S6 kinase 5, Nuclear mitogen- and stress-activated protein kinase 1, RSK-like protein kinase, RSKL, RPS6KA5
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Thr581 of human phospho MSK1

Description

MSK1 (mitogen and stress activated protein kinase 1, phospho MSK1) is activated by Erk in response to growth factors and by and p38 in response to cellular stress (1). MSK1 is similar to RSK1 in that it has two kinase domains and a connecting regulatory linker region (2). S364/S381 phosphorylation activates RSK1 (3), which is analogous to residues S360 and S376 of MSK1, which may be important for phospho MSK1 activity.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN3, 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

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

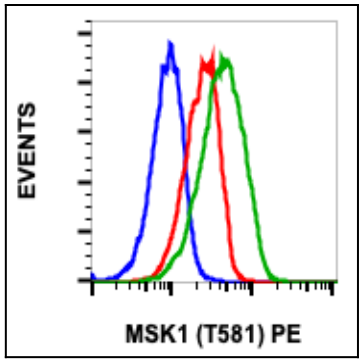


Fig-1: Flow cytometric analysis of COS7 cells unstained and untreated (blue) or untreated (red) or treated with TPA + CalA (green) and stained using phospho-MSK1(T581) PE conjugated antibody MSK1T581-A5.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.