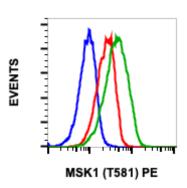
Phospho-MSK1 (Thr581) (A5) rabbit mAb PE conjugate

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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 μ L per million cells or 5 μ L per 100 μ L 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 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.		
References:	1. Deak, M. et al. (1998) EMBC 2. Pierrat, B. et al. (1998) J. Bio 3. Dalby, K.N. et al. (1998) J Bio 4. Markou, T. and Lazou, A. (20	ol. Chem. 273, 29661-2967 ol Chem 273, 1496-505.	



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. Cat. #2182.