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

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

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

Format: FITC

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

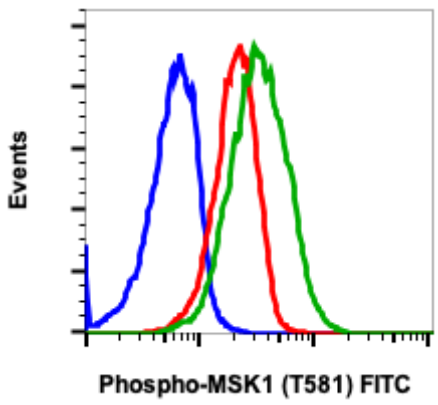
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding 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) EMBO J. 17, 4426-4441.
2. Pierrat, B. et al. (1998) J. Biol. Chem. 273, 29661-29671.
3. Dalby, K.N. et al. (1998) J Biol Chem 273, 1496-505.
4. Markou, T. and Lazou, A. (2002) Biochem J 365, 757-63.



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) antibody MSK1T581-A5 FITC conjugate. Cat. #2183.

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