

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

12-4340: Phospho-MARCKS (Ser167/170) (Clone: C9) rabbit mAb APC conjugate

Clonality: Monoclonal

Clone Name: MARCKSS167170-C9

Application: FACS
Reactivity: Human
Conjugate: APC

Alternative Name: Myristoylated alanine-rich C-kinase substrate, Protein kinase C substrate, PKCSL, 80 kDa

protein light chain, MACS, PRKCSL

Isotype: Rabbit IgG1k

Immunogen Information: A synthetic phospho-peptide corresponding to residues surrounding Ser167/170 of human

phospho MARCKS

Description

MARCKS (myristoylated alanine-rich C kinase substrate) is a major PKC substrate expressed in all eukaryotic cells(1,2). It binds to and cross-links actin filaments to serve as a bridge between Ca2+/calmodulin and PKC signaling and attenuates phosphatidylinositol 4,5-bisphosphate plasma membrane signaling (3). MARCKS is involved with cell mobility, phagocytosis, membrane traffic, cell adhesion, and mitogenesis. Ser159, 163, 167 and 170 of MARCKS are phosphorylated by PKC in response to cell groeth and cellular stress (4). MARCKs phosphorylation is believe to induce its tranlocation from plasma membrane to cytoplasm.

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 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.

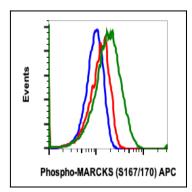


Fig-1: Flow cytometric analysis of C6 cells, isotype IgG-FITC stained staurosprine treated cells as negative control (blue) or treated with staurosporine (red) or with UV+TPA (green) and stained using Phospho-MARCKS (Ser167/170) antibody MARCKSS167170-C9 APC conjugate.