

Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 647 Conjugate)

✓ 250 µl

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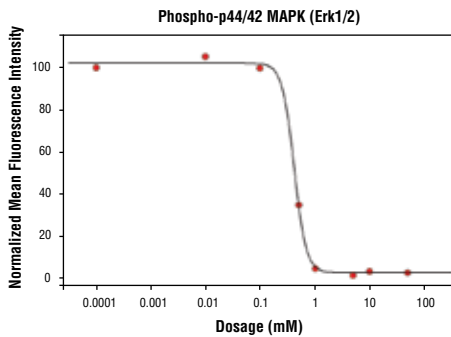
rev. 01/08/10

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

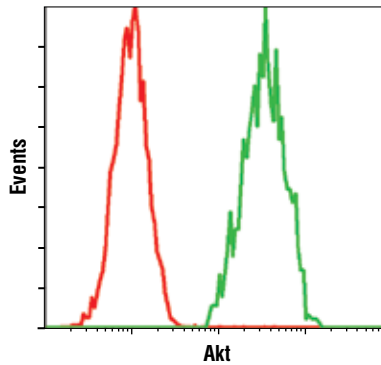
Description: Anti-Mouse IgG (H+L) F(ab')₂ Fragment was conjugated to Alexa Fluor® 647 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab')₂ fragment results in less non-specific binding to cells through Fc receptors.

Background: Fluorescent anti-species IgG conjugates are ideal for flow cytometry and immunofluorescence. Cell Signaling Technology's strict quality control procedures assure that each conjugate provides optimal specificity and fluorescence.

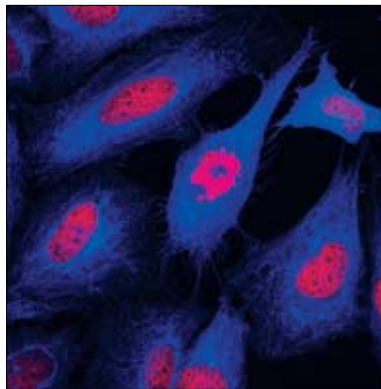
Specificity/Sensitivity: F(ab')₂ fragments are prepared from goat antibodies that have been adsorbed against human IgG and human serum.



High content analysis of C2C12 cells exposed to varying concentrations of U0126 #9903 for 2 hours. With increasing concentrations of U0126, a significant decrease (~20 fold) in phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) signal as compared to the untreated control was observed. When using Phospho-p44/42 MAPK (Erk1/2) protein as a measurement, the IC₅₀ of this compound was 2.5 µM. Data was generated on the Acumen® HCS platform using Anti-Mouse IgG (H+L) F(ab')₂ Fragment (Alexa Fluor® 647 Conjugate).



Flow cytometric analysis of untreated Jurkat cells using Akt (5G3) Mouse mAb #2966 detected with Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 647 Conjugate) (green) compared to a nonspecific negative control antibody (red).



Confocal immunofluorescent analysis of HeLa cells using Pan-Keratin (C11) Mouse mAb #4545 detected with Anti-Mouse IgG (H+L), F(ab')₂ Fragment (Alexa Fluor® 647 Conjugate) (blue). Red = propidium iodide (fluorescent DNA dye).

Storage: Supplied in 0.1 M sodium phosphate, 0.1 M sodium chloride, 2 mM EDTA, 1% glycerol, 5 mM sodium azide, pH 7.5. Store at 4°C. Protect from light. Do not freeze.

Recommended Antibody Dilutions:

The optimal dilution of the anti-species antibody should be determined for each application. However, a final dilution of 1:1000 should yield acceptable results for most immunofluorescent applications.

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

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