Store at 4°C

#4408

Anti-Mouse IgG (H+L), F(ab')$_2$ Fragment (Alexa Fluor® 488 Conjugate)

☑ 250 µl

Cell Signaling TECHNOLOGY®

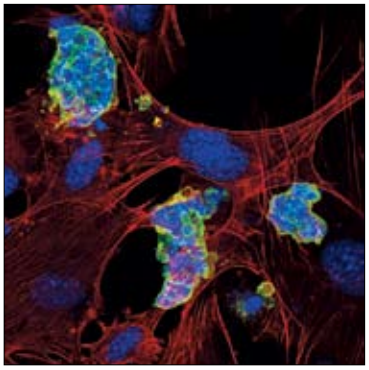
Orders ■ 877-616-CELL (2355)
orders@cellsignal.com
Support ■ 877-678-TECH (8324)
info@cellsignal.com
Web ■ www.cellsignal.com

rev. 01/08/10

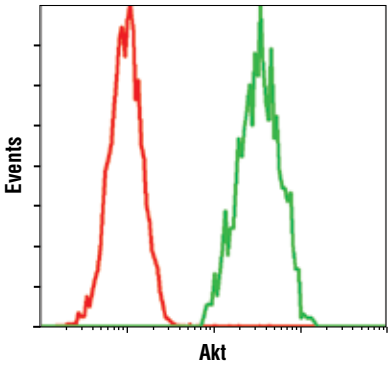
Description: Anti-Mouse IgG (H+L) F(ab')$_2$ Fragment antibody was conjugated to Alexa Fluor® 488 fluorescent dye under optimal conditions and formulated at 2 mg/ml. This F(ab')$_2$ fragment results in less non-specific binding to cells through Fc receptors.

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.

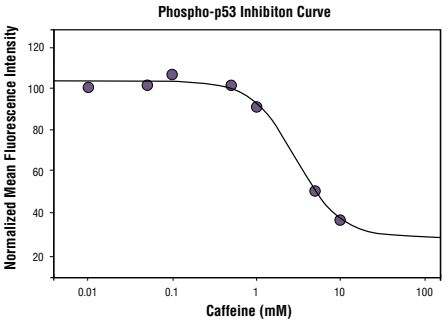
Specificity/Sensitivity: F(ab')$_2$ fragments are prepared from goat antibodies that have been adsorbed against human IgG and human serum.



Confocal immunofluorescent analysis of mouse embryonic stem cells growing on mouse embryonic fibroblast (MEF) feeder cells using SSEA1 (MC480) Mouse mAb #4744 detected with anti-Mouse IgG (H+L), F(ab')$_2$ Fragment (Alexa Fluor® 488 Conjugate) (green). Actin filaments have been labeled with DY-554 phalloidin (red). Blue pseudocolor = DRAQ5® #4084 (fluorescent DNA dye).



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® 488 Conjugate) (green) compared to a nonspecific negative control antibody (red).



High content analysis of A439 cells exposed to varying concentrations of caffeine for 30 min prior to and 1.5 hr following a 100 mJ UV-treatment. With increasing concentrations of caffeine, a significant decrease (~2.5 fold) in phospho-p53 signal as compared to the UV-treated control was observed. When using phospho-p53 as a measurement, the IC_{50} of this compound was 2.95 mM. Data was generated on the Acumen® HCS platform using Anti-Mouse IgG (H+L), F(ab')$_2$ Fragment (Alexa Fluor® 488 Conjugate).

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.